XAV-62BT/622/E62BT/E622

SERVICE MANUAL

Ver. 1.0 2011.02

US Model
Canadian Model
AEP Model
UK Model
E Model
XAV-62BT/622
Russian Model
XAV-E62BT/E622
Saudi Arabia Model
XAV-622



Photo: XAV-622

Model Name Using Similar Mechanism	NEW
Mechanism Type	MG-613XB-187
Optical Pick-up Name	KHS-360A

SPECIFICATIONS

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

AUDIO POWER SPECIFICATIONS (XAV-62BT: US model / XAV-622: US model)

CEA2006 Standard
Power Output: 17 Watts RMS × 4 at 4 Ohms < 1% THD+N
SN Ratio: 80 dBA
(reference: 1 Watt into 4 Ohms)

Monitor section

Display type: Wide LCD color monitor
Dimensions: 6.1 in
System: TFT active matrix
Number of pixels:
1,152,000 pixels (800 × 3 (RGB) × 480)
Color system:
PAL/NTSC/SECAM/PAL-M automatic select

Tuner section

FM

Tuning range:
XAV-62BT: US and Canadian models/
XAV-622: US and Canadian models
87.5 – 107.9 MHz
Tuning range:
XAV-62BT: AEP and UK models/
XAV-622: AEP, UK, E (PAL) and Saudi Arabia models
87.5 – 108.0 MHz
Tuning range:
XAV-E62BT/XAV-E622
FM1/FM2: 87.5 – 108.0 MHz (at 50 kHz step)
FM3: 65 – 74 MHz (at 30 kHz step)
Tuning range:
XAV-62BT: E (NTSC) model/
XAV-622: E (NTSC) model
87.5 – 108.0 MHz (at 100 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)
FM tuning step:
XAV-62BT: E (NTSC) model/
XAV-622: E (NTSC) model
100 kHz/200 kHz switchable
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 150 kHz
Usable sensitivity: 10 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 70 dB (mono)
Separation: 40 dB at 1 kHz
Frequency response: 20 – 15,000 Hz

AM (XAV-62BT: US, Canadian and E (NTSC) models/XAV-622: US, Canadian and E (NTSC) models)

Tuning range:
530 – 1,710 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Sensitivity: 26 µV

AM (XAV-622: E (PAL) and Saudi Arabia models)

Tuning range:
531 – 1,602 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Sensitivity: 26 µV

MW/LW (XAV-62BT: AEP and UK models/XAV-622: AEP and UK models/XAV-E62BT/XAV-E622)

Tuning range:
MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Sensitivity: MW: 26 µV, LW:45 µV

DVD/CD Player section

Signal-to-noise ratio: 120 dB
Frequency response: 10 – 20,000 Hz
Wow and flutter: Below measurable limit
Harmonic distortion: 0.01%
Region code: Labeled on the bottom of the unit

USB Player section

Interface: USB (Full-speed)
Maximum current: 500 mA

Wireless Communication*1

Communication System:
Bluetooth Standard version 2.0 + EDR
Output:
Bluetooth Standard Power Class 2 (Max. +4 dBm)
Maximum communication range:
Line of sight approx. 10 m (33 ft)*2
Frequency band:
2.4 GHz band (2.4000 – 2.4835 GHz)
Modulation method: FHSS
Compatible Bluetooth Profiles*3:
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile) 1.3
HFP (Handsfree Profile) 1.5
PBAP (Phone Book Access Profile)
OPP (Object Push Profile)

*1 *Applies to XAV-62BT/XAV-E62BT only.*
*2 *The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna's performance, operating system, software application, etc.*
*3 *Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.*

Power amplifier section

Outputs: Speaker outputs
Speaker impedance: 4 – 8 ohms
Maximum power output: 52 W × 4 (at 4 ohms)

General

Outputs:
Video output terminal (rear)
Audio output terminals (rear/sub switchable)
Power antenna (aerial) relay control terminal
Power amplifier control terminal

– Continued on next page –

AV CENTER

9-893-085-01
2011B05-1

Sony Corporation
Published by Sony Techno Create Corporation

SONY®

Inputs:
Telephone ATT control terminal
Illumination control terminal
BUS control input terminal
(XAV-62BT: US and Canadian models/
XAV-622: US and Canadian models)
Remote controller input terminal
Antenna (aerial) input terminal
Parking break control terminal
Microphone input terminal
(XAV-62BT/XAV-E62BT only)
Reverse input terminal
Camera input terminal
AUX audio input terminals (front/rear)
AUX video input terminal
USB signal input connector
External input terminal
(XAV-622: E (PAL) and Saudi Arabia models)

Power requirements: 12 V DC car battery (negative ground (earth))
Dimensions: Approx. 178 × 100 × 170 mm (7 1/8 × 4 × 6 3/4 in) (w/h/d)
Mounting dimensions: Approx. 182 × 111 × 164 mm (7 1/4 × 4 3/8 × 6 1/2 in) (w/h/d)
Mass: Approx. 1.9 kg (4 lb 3 oz)
Supplied accessories:
Remote Commander: RM-X170
(XAV-62BT: AEP, UK and E (NTSC) models/
XAV-622: AEP, UK, E and Saudi Arabia models)
Parts for installation and connections (1 set)
Microphone (XAV-62BT/XAV-E62BT only)
CD-ROM (Application disc)

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

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NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

FLEXIBLE CIRCUIT BOARD REPAIRING

- Keep the temperature of soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

- Except: US and Canadian models

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

CAUTION : CLASS 1M VISIBLE/INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

This label is located on the drive unit's internal chassis.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

Accessories are given in the last of the electrical parts list.

SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electro-static break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

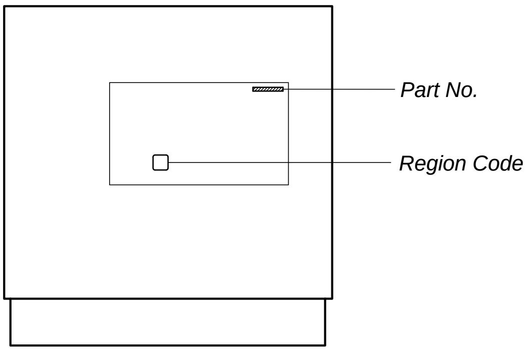
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pickup block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

MODEL IDENTIFICATION

– Bottom View –



Label indication			Destination
Signal format system	Region code	Part No.	
NTSC	1	4-267-805-0□	XAV-62BT: US and Canadian models
PAL	2	4-267-806-0□	XAV-62BT: AEP and UK models
NTSC	4	4-267-808-0□	XAV-62BT: E (NTSC) model
PAL	5	4-267-807-0□	XAV-E62BT: Russian model
NTSC	1	4-267-799-0□	XAV-622: US and Canadian models
PAL	2	4-267-800-0□	XAV-622: AEP and UK models
PAL	3	4-267-803-0□	XAV-622: E (PAL) model
PAL	2	4-267-804-0□	XAV-622: Saudi Arabia model
NTSC	4	4-267-802-01	XAV-622: E (NTSC) model
PAL	5	4-267-801-0□	XAV-E622: Russian model

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

IMPORTANT NOTE FOR REPAIRING (XAV-62BT/E62BT)

This unit contain individual information that the customer registered because it installs the Bluetooth function.
When repairing, the data that the customer registered might disappear. Have the approval of the customer beforehand.
If any of the following parts was replaced, that data disappears.

- Complete BT board
- Initialize

Note: Exchanged old complete BT board is destroyed with the hammer, and throw away.

NOTE THE IC4, IC11 AND IC13 ON THE SERVO BOARD REPLACING

IC4, IC11 and IC13 on the SERVO board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

NOTE THE CN101, CN901 AND CN903 ON THE MAIN BOARD REPLACING

CN101, CN901, and CN903 on the MAIN board cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

NOTE THE CN1201 AND IC1581 ON THE DISP BOARD REPLACING

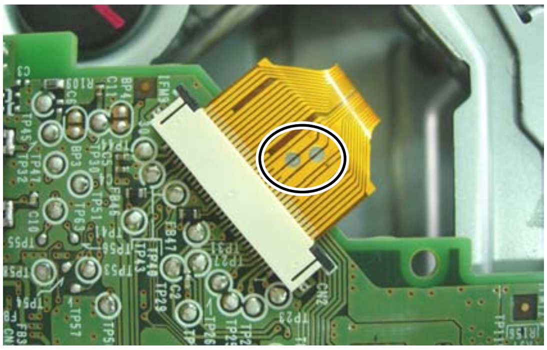
CN1201 and IC1581 on the DISP board cannot exchange with single. When this part is damaged, exchange the entire mounted board.

NOTE FOR REPLACEMENT OF THE BT BOARD

When repairing, the complete BT board should be replaced since any parts in the BT board cannot be repaired.

NOTE FOR FLEXIBLE BOARD OF THE OPTICAL PICK-UP

When connecting or disconnecting the flexible board of the optical pick-up to or from the CN2 of the SERVO board, follow the procedure given below.



Note: When soldering the short lands, solder within 5 seconds at the temperature of soldering iron below 300°C.

Disconnection:

1. Solder two shortland.
2. Disconnect the flexible board from the CN2 of the SERVO board.

Connection:

1. Connect the flexible board to the CN2 of the SERVO board.
2. Unsolder two shortland.

RELEASING METHOD OF SECURITY

1. Releasing Method from Normal Screen

Procedure:

1. Touch the “TOP” button on the monitor, next, touch the “ ” button on the monitor to display the following screen (setup screen) on the monitor.



2. Touch the “Security Control” button on the monitor.
3. When the user is setting the security code, the following screen is displayed on the monitor.



4. When you know the security code, touch the number of security code on the monitor (When you don’t know the security code, refer to 2. releasing method after cold start). When the security code agrees, screen shifts to the setup screen (Even if you make a mistake in the security code, you can input it again and again).
5. When the user isn’t setting the security code, the following screen is displayed on the monitor.

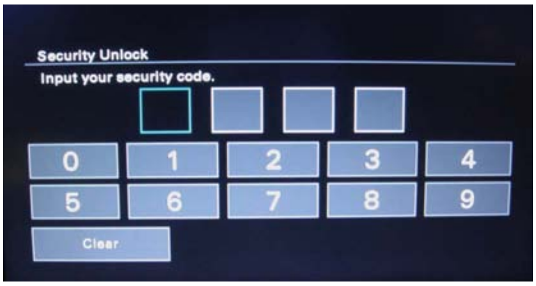


6. You can set the security code by inputting the same code twice.

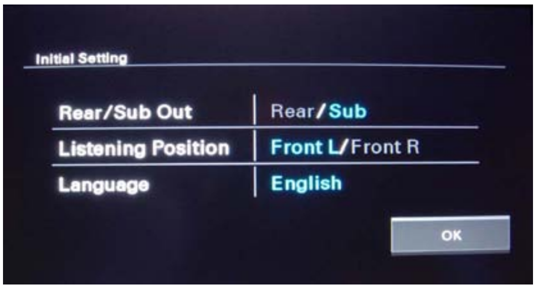
2. Releasing Method after Cold Start

Procedure:

1. When the user is setting the security code, after the cold start, the following screen is displayed on the monitor.



2. When you know the security code, touch the number of security code on the monitor. When the security code agrees, screen shifts to the initial setting screen (Even if you make a mistake in the security code, you can input it again and again).
3. When you don’t know the security code, input of master code on the remote commander. Master code is confirm to service headquarters. When the master code agrees, screen shifts to the initial setting screen (Even if you make a mistake in the master code, you can input it again and again).
4. When the user isn’t setting the security code, after the cold start, the following screen is displayed on the monitor.

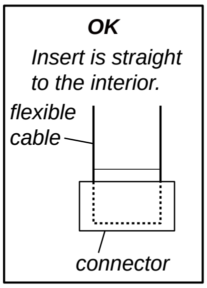


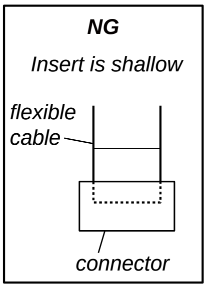
5. Touch the “OK” button on the monitor to display the normal screen on the monitor.

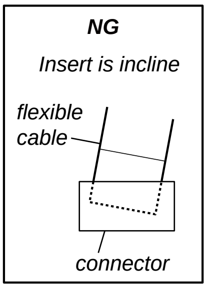
NOTE OF INSTALLING EACH FLEXIBLE CABLE

When you install a flexible cable on the following connector, please install it correctly.
There is a possibility that this machine damages when not correctly installing it.

Ref. No. (Connector)	Board	Ref. No. (Cable)	Description
CN10	SERVO board	163	FLEXIBLE FLAT CABLE (60 CORE)
CN101	MAIN board	163	FLEXIBLE FLAT CABLE (60 CORE)
CN901	MAIN board	103	FLEXIBLE FLAT CABLE (60 CORE)
CN903	MAIN board	104	FLEXIBLE FLAT CABLE (20 CORE)
CN1201	DISP board	103	FLEXIBLE FLAT CABLE (60 CORE)
CN1401	DISP board	LCD1401	LIQUID CRYSTAL DISPLAY PANEL
CN1421	DISP board	TPS1401	TOUCH PANEL
CN1591	DISP board	LCD1401	LIQUID CRYSTAL DISPLAY PANEL
CN1501	KEY board	104	FLEXIBLE FLAT CABLE (20 CORE)



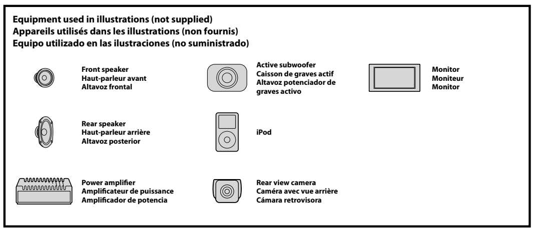


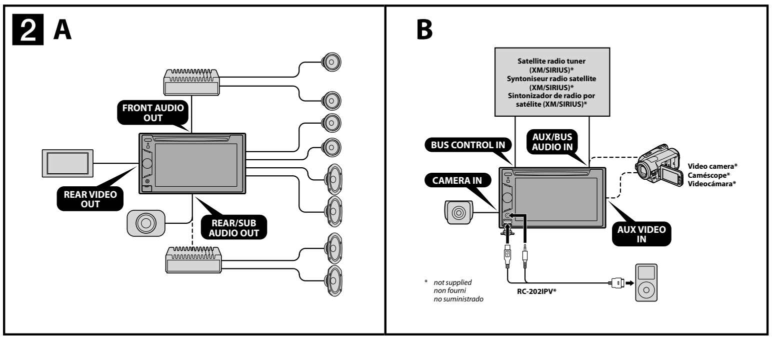


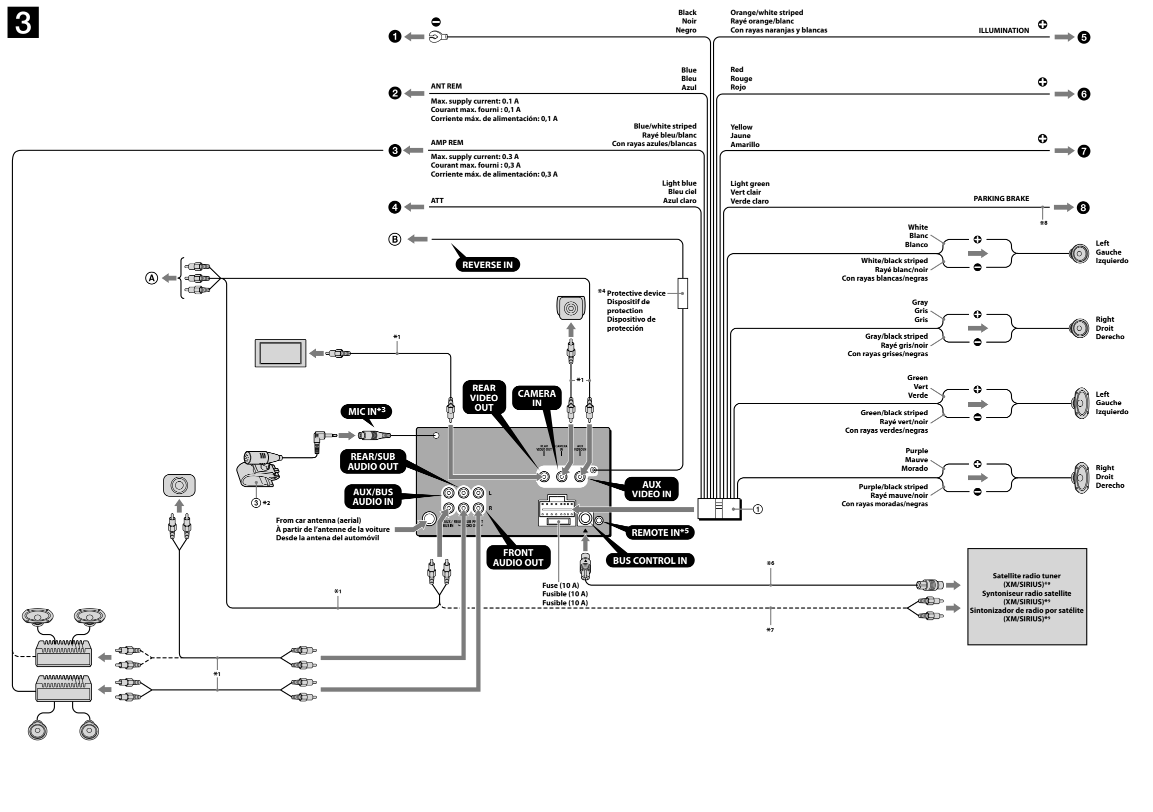
SECTION 2
GENERAL

This section is extracted from instruction manual.

(US and Canadian models)







*1 RCA pin cord (not supplied)
*2 The microphone is supplied with XAV-62BT only. For details on installing the microphone, see "Installing the microphone (XAV-62BT only) (5)" on the reverse side.
*3 The microphone input cord is available on XAV-62BT only. Whether in use or not, route the microphone input cord such that it does not interfere with driving. Secure the cord with a clamp, etc., if it is installed around your feet.
*4 Do not remove the protective device.
*5 A separate adaptor may be required.
*6 BUS cable (not supplied)
*7 When connecting an external device to BUS CONTROL IN, be sure to also connect the external device to AUX/BUS AUDIO IN for audio output.
*8 For details on connecting to the parking brake switch cord, see "Connecting the parking brake lead (4)" on the reverse side.
*9 not supplied

*1 Cordon à broches RCA (non fourni)
*2 Le microphone est fourni uniquement avec le XAV-62BT. Reportez-vous à la section « Installation du microphone (XAV-62BT uniquement) 5 » pour obtenir les détails sur l'installation, au verso.
*3 Le cordon d'entrée du microphone est disponible uniquement sur le XAV-62BT. Qu'il soit utilisé ou non, faites passer le cordon d'entrée du microphone de sorte qu'il ne gêne pas la conduite. Fixez le cordon avec un serre-câbles, etc., s'il se trouve au niveau de vos pieds.
*4 Ne retirez pas le dispositif de protection.
*5 L'utilisation d'un adaptateur pourrait être nécessaire.
*6 Câble BUS (non fourni)
*7 Lors du raccordement d'un périphérique externe à BUS CONTROL IN, veillez à le raccorder également à la prise de sortie audio AUX/BUS AUDIO IN.
*8 Pour plus de détails sur le raccordement du cordon du capteur du frein à main, reportez-vous à la section « Raccordement du cordon du frein à main (4) » au verso.
*9 non fourni

*1 Cable con terminales RCA (no suministrado)
*2 El micrófono se suministra sólo con el modelo XAV-62BT. Para obtener detalles sobre la instalación del micrófono, consulte "Instalación del micrófono (sólo el modelo XAV-62BT) 5" al reverso.
*3 El cable de entrada del micrófono se encuentra disponible sólo con el modelo XAV-62BT. Se esté utilizando o no, coloque el cable de entrada del micrófono de modo que no interfiera en el manejo del automóvil. Si instala los cables cerca de la zona de los pies, fíjelos con una abrazadera, etc.
*4 No retire el dispositivo de protección.
*5 Puede requerirse un adaptador independiente.
*6 Cable de BUS (no suministrado)
*7 Cuando conecte un dispositivo externo en BUS CONTROL IN, asegúrese de conectar también el dispositivo externo en AUX/BUS AUDIO IN para obtener salida de audio.
*8 Para obtener detalles acerca de cómo conectar el cable de conmutación del freno de estacionamiento, consulte "Conexión del cable del freno de estacionamiento (4)" en el dorso.
*9 no suministrado

Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not disassemble or modify the unit.
- Do not install in locations which interfere with airbag operation.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- The use of optical instruments with this product will increase eye hazard.
- Do not press on the LCD when installing the unit.

Notes on the power supply lead (yellow)
- When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.
- If no car circuits are rated high enough, connect the unit directly to the battery.

Connection example 2

***Notes* (2-A)**
- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Note* (2-B)**
You cannot use multiple auxiliary devices simultaneously, even if they are connected to different terminals. If you connect an optional device to BUS CONTROL IN, AUX AUDIO IN is not available.

***Note on satellite radio tuner* (2-B)**
This unit does not support the XM radio tuner XMDSON100.

Connection diagram 3

1. **To a common ground (earth) point**
   First connect the black ground (earth) lead, then connect the yellow and red power supply leads.
2. **To the power antenna (aerial) control lead or the power supply lead of the antenna (aerial) booster**
   Notes
   - *It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).*
   - *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*
3. **To AMP REMOTE IN of an optional power amplifier**
   This connection is only for amplifiers. Connecting any other system may damage the unit.
4. **To the interface cable of a car telephone**
5. **To a car's illumination signal**
   Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
6. **To the +12 V power terminal which is energized when the ignition switch is set to the accessory position**
   Notes
   - *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.*
     Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
   - *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*
7. **To the +12 V power terminal which is energized at all times**
   Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
8. **To the parking brake switch cord**

Ⓐ **To an auxiliary device such as a portable media player, game console, etc. (not supplied)**
Tip
You can use an RCA cord (not supplied) to connect auxiliary devices.

Ⓑ **To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)**

Notes on the control and power supply leads
- *The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) or the accessory power supply lead (red) to the power terminal of the antenna (aerial) booster. For details, consult your car dealer.*
- *A power antenna (aerial) without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of a speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if they feature a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Notes on connection
- *If "Output connection failure." appears in the display, make sure the speaker and amplifier are connected correctly.*
- *To use the monitor for the rear seats, connect the parking brake switch cord to the ground (earth).*

Précautions

- **Rassemblez tous les câbles de mise à la masse en un point de masse commun.**
- Cet appareil est exclusivement conçu pour fonctionner sur une tension de 12 V CC avec masse négative.
- Ne démontez pas ou ne modifiez pas l'appareil.
- N'installez pas cet appareil dans des endroits susceptibles de gêner le fonctionnement des coussins de sécurité gonflables.
- Évitez de fixer des vis sur les câbles ou de coincer ceux-ci dans des pièces mobiles (par exemple, armature de siège).
- Avant d'effectuer les raccordements, coupez le moteur pour éviter un court-circuit.
- Raccordez les câbles d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres raccordements.
- Pour des raisons de sécurité, veillez à isoler avec du ruban isolant tout câble libre non raccordé.
- L'utilisation d'instruments optiques avec ce produit augmente les risques pour les yeux.
- N'exercez pas de pression sur l'écran LCD lors de l'installation de l'appareil.

Remarques sur le câble d'alimentation (jaune)
- Lorsque cet appareil est raccordé à d'autres éléments stéréo, l'intensité nominale du circuit de voiture auquel l'appareil est raccordé doit être supérieure à la somme de l'intensité nominale des fusibles de chaque élément.
- Si aucun circuit de la voiture n'est assez puissant, raccordez directement l'appareil à la batterie.

Exemple de raccordement 2

***Remarques* (2-A)**
- *Raccordez d'abord le câble de mise à la masse avant de raccorder l'amplificateur.*
- *L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.*

***Remarque* (2-B)**
Vous ne pouvez pas utiliser plusieurs appareils auxiliaires simultanément, même s'ils sont raccordés à des bornes différentes. Si vous raccordez un appareil en option à la borne BUS CONTROL IN, AUX AUDIO IN n'est pas disponible.

***Remarque sur le syntoniseur radio satellite* (2-B)**
Cet appareil n'est pas compatible avec le syntoniseur radio XM XMDSON100.

Schéma de raccordement 3

1. **À un point de masse commun**
   Branchez d'abord le câble de mise à la masse noir et, ensuite, les câbles d'alimentation jaune et rouge.
2. **Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne**
   Remarques
   - *Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.*
   - *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*
3. **Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option**
   Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
4. **Vers le cordon de liaison d'un téléphone de voiture**
5. **Vers le signal d'éclairage de la voiture**
   Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
6. **À la borne +12 V qui est alimentée lorsque la clé de contact est sur la position accessoires**
   Remarques
   - *S'il n'y a pas de position accessoires, raccordez à la borne d'alimentation (batterie) + 12 V qui est alimentée en permanence.*
     Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
   - *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*
7. **À la borne + 12 V qui est alimentée en permanence**
   Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
8. **Vers le cordon du capteur du frein à main**

Ⓐ **Vers un appareil auxiliaire, tel qu'un lecteur multimédia portatif, une console de jeu, etc. (non fourni(e))**
Conseil
Vous pouvez utiliser un câble RCA (non fourni) pour raccorder les appareils auxiliaires.

Ⓑ **À la borne +12 V des feux arrière du véhicule (uniquement en cas de raccordement de la caméra avec vue arrière)**

Remarques sur les câbles de commande et d'alimentation
- *Le câble de commande d'antenne électrique (bleu) fournit une alimentation de + 12 V CC lorsque vous mettez la radio sous tension.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne électrique (bleu) ou le câble d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne. Pour plus de détails, consultez votre concessionnaire automobile.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

Raccordement pour la conservation de la mémoire
Lorsque le câble d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur le raccordement des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.*
- *Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de causer des dommages.*
- *Ne raccordez pas les bornes du système de haut-parleur au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droits à celles des haut-parleurs gauches.*
- *Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (–) d'un haut-parleur.*
- *N'essayez pas de raccorder les haut-parleurs en parallèle.*
- *Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.*
- *Pour éviter tout problème de fonctionnement, n'utilisez pas les câbles de haut-parleurs intégrés installés dans votre voiture s'ils possèdent un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

Remarques sur le raccordement
- *Si le message « Output connection failure. » s'affiche, assurez-vous que le haut-parleur et l'amplificateur sont bien raccordés.*
- *Si vous avez l'intention d'utiliser le moniteur pour les sièges arrière, raccordez le cordon du capteur du frein à main à la masse.*

Precauciones

- **Conecte todos los cables de conexión a masa a un punto común.**
- Esta unidad ha sido diseñada para alimentarse solamente con cc de 12 V de masa negativa.
- No desmonte ni modifique la unidad.
- No instale la unidad en lugares en los que interfiera con el funcionamiento del airbag.
- No coloque los cables debajo de ningún tornillo, ni los aprisione con partes móviles (p. ej. los raíles del asiento).
- Antes de realizar las conexiones, desactive el encendido del automóvil para evitar cortocircuitos.
- Conecte los cables de fuente de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.
- No presione la pantalla LCD cuando instale la unidad.

Notas sobre el cable de fuente de alimentación (amarillo)
- Cuando conecte esta unidad en combinación con otros componentes estéreo, la capacidad nominal del circuito conectado del automóvil debe ser superior a la suma del fusible de cada componente.
- Si no hay circuitos del automóvil con capacidad nominal suficientemente alta, conecte la unidad directamente a la batería.

Ejemplo de conexiones 2

***Notas* (2-A)**
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará solamente si se utiliza el amplificador incorporado.*

***Nota* (2-B)**
No es posible utilizar los dispositivos auxiliares de manera simultánea aunque estén conectados a todos los terminales. Si se conecta un dispositivo opcional a BUS CONTROL IN, AUX AUDIO IN no estará disponible.

***Nota sobre el sintonizador de radio por satélite* (2-B)**
Esta unidad no es compatible con el sintonizador de radio XM XMDSON100.

Diagrama de conexiones 3

1. **A un punto de conexión a masa común**
   Conecte primero el cable de conexión a masa negro, y después los cables de fuente de alimentación rojo y amarillo.
2. **Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
   Notas
   - *Si no se dispone de antena motorizada ni de amplificador de señal de la antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.*
   - *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control y de fuente de alimentación".*
3. **A AMP REMOTE IN de un amplificador de potencia opcional**
   Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.
4. **Al cable de interfaz de un teléfono para automóvil**
5. **A una señal de iluminación del automóvil**
   Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
6. **Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido**
   Notas
   - *Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.*
     Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
   - *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control y de fuente de alimentación".*
7. **Al terminal de alimentación de +12 V que recibe energía sin interrupción**
   Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
8. **Al cable de conmutación del freno de estacionamiento**

Ⓐ **A un dispositivo auxiliar, como, por ejemplo, un reproductor portátil, una consola de videojuegos, etc. (no suministrados)**
Sugerencia
Es posible utilizar el cable con terminales RCA (no suministrado) para conectar dispositivos auxiliares.

Ⓑ **Al terminal de alimentación de +12 V del cable del indicador posterior del automóvil (únicamente cuando conecte la cámara retrovisora)**

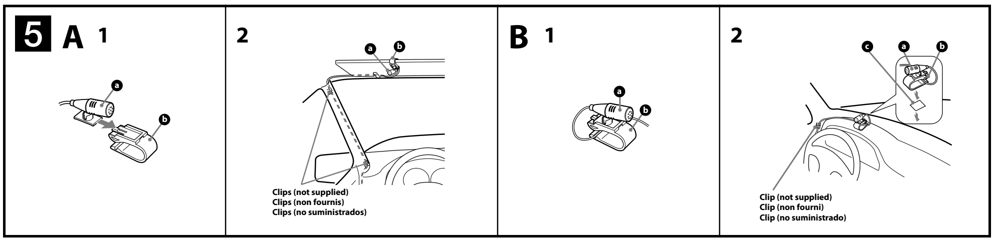
Notas sobre los cables de control y de fuente de alimentación
- *El cable de control de la antena motorizada (azul) suministrará cc de + 12 V cuando conecte la alimentación del sintonizador.*
- *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, conecte el cable de control de la antena motorizada (azul) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de señal de la antena existente. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

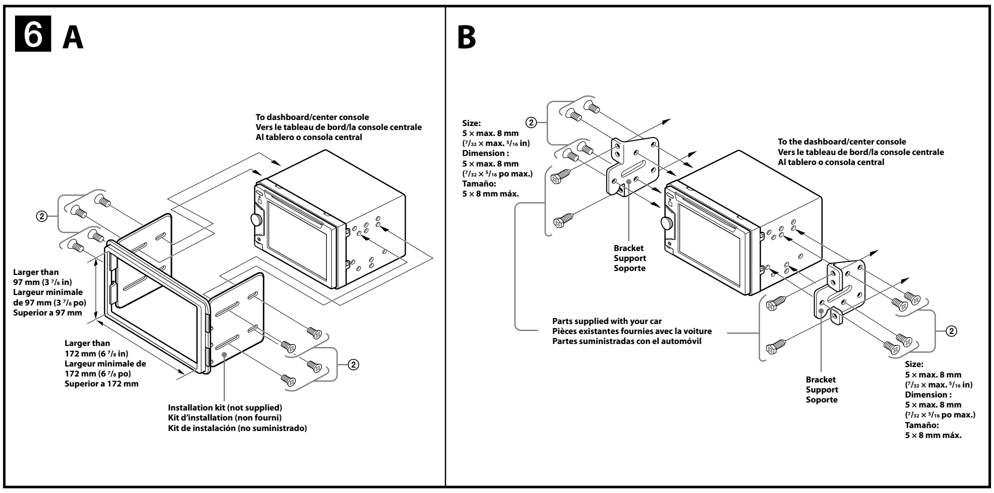
Conexión para protección de la memoria
Si conecta el cable de fuente de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del automóvil ni conecte los terminales de altavoz derecho con los del izquierdo.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) del altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallas de funcionamiento, no utilice los cables de altavoz integrados instalados en el automóvil si la unidad comparte un cable negativo común (–) para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

Notas sobre la conexión
- *Si en la pantalla, aparece "Falla de la conexión de salida.", verifique que el altavoz y el amplificador estén conectados correctamente.*
- *Si va a utilizar el monitor para los asientos posteriores, conecte el cable de conmutación del freno de estacionamiento a masa.*







Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Connecting the parking brake lead 4

Be sure to connect the parking brake lead (light green) of the power supply connection cable ① to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Consult your car dealer or your nearest Sony dealer for further details.

Installing the microphone (XAV-62BT only) 5

To capture your voice during handsfree calling, you need to install the microphone ③.

Cautions
- Keep the microphone away from extremely high temperatures and humidity.
- It is extremely dangerous if the cord becomes wound around the steering column or gearstick. Be sure to keep it and other parts from obstructing your driving.
- If airbags or any other shock-absorbing equipment is in your car, contact the store where you purchased this unit, or the car dealer, before installation.

5-A Installing on the sun visor

1 Install the microphone ⓐ on the clip ⓑ.
2 Install the clip ⓑ on the sun visor.
3 Install clips (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.

5-B Installing on the dashboard

1 Install the microphone ⓐ on the clip ⓑ, then place the cord along the groove of the clip ⓑ.
2 Attach the clip ⓑ to the dashboard with the double-sided tape ⓒ.
3 Install a clip (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.

Notes
- *Before attaching the double-sided tape ⓒ, clean the surface of the dashboard with a dry cloth.*
- *Adjust the microphone angle to the proper position.*
- *The microphone ⓐ can be installed without using the clip ⓑ.*
  In this case, directly attach the microphone to the dashboard with the double-sided tape ⓒ. Keep the unused clip ⓑ for future use.

Mounting the unit 6

6-A Mounting the unit with an installation kit (not supplied)

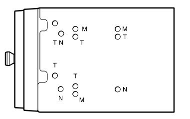
You can use a commercially available double DIN installation kit. Choose an installation kit with the following panel frame size.
Larger than 172 × 97 mm (6 7/8 × 3 7/8 in) (w/h), with an inner corner radius of less than 0.5 mm (1/32 in).

Notes
- *Be sure to use the supplied screws ②.*
- *Before installing the unit with the installation kit mounted, be sure to perform the following confirmation:*
  Power the unit on, and open/close the front panel by pressing ⏏ repeatedly to check that the front panel does not touch the installation kit.

6-B Mounting the unit in a Japanese car

You may be able to install this unit in some makes of Japanese cars without an installation kit (not supplied). If you cannot, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the supplied screws ② in the appropriate screw holes, based on your car: T for TOYOTA, M for MITSUBISHI and N for NISSAN.



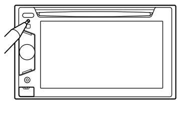
Notes
- *To avoid a malfunction, install only with the supplied screws ②.*
- *Do not apply excessive force to the buttons of the unit.*
- *Do not press on the LCD.*
- *Before mounting, make sure there is nothing on the top of the unit.*

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, refer to the supplied "Operating Instructions."
The unit will shut off completely and automatically in the set time when no source is selected, which prevents battery drainage.
If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.



Précautions

- Choisissez soigneusement l'emplacement d'installation pour que l'appareil ne gêne pas le conducteur pendant la conduite.
- Évitez d'installer l'appareil dans un endroit exposé à la poussière, à la saleté, à des vibrations excessives ou à des températures élevées comme en plein soleil ou à proximité de conduits de chauffage.
- Pour garantir un montage sûr, n'utilisez que le matériel fourni.

Réglage de l'angle de montage

Ajustez l'inclinaison à un angle inférieur à 45 °.

Raccordement du cordon du frein à main 4

Veillez à raccorder le cordon du frein à main (vert clair) du câble de raccordement d'alimentation ① au cordon du capteur du frein à main. La position de montage du cordon du capteur du frein à main dépend de votre véhicule. Pour obtenir davantage d'informations, veuillez consulter votre concessionnaire automobile ou votre détaillant Sony.

Installation du microphone (XAV-62BT uniquement) 5

Pour capturer votre voix durant les appels mains libres, vous devez installer le microphone ③.

Attention
- N'exposez pas le microphone à des températures extrêmement élevées et à l'humidité.
- Veillez à ce que le cordon ne soit pas enroulé autour du volant ou du levier de vitesses. Ceci peut s'avérer extrêmement dangereux. Veillez à ce que le cordon et les autres pièces ne gênent pas votre conduite.
- Si un système de coussins de sécurité gonflables ou tout autre équipement absorbant les chocs est présent dans votre véhicule, contactez le magasin où vous avez acheté cet appareil ou votre concessionnaire avant l'installation.

5-A Fixation sur le pare-soleil

1 Fixez le microphone ⓐ sur le clip ⓑ.
2 Fixez le clip ⓑ sur le pare-soleil.
3 Installez les clips (non fournis) et ajustez la longueur et la position du cordon de façon à ce qu'il ne gêne pas la conduite.

5-B Fixation sur le tableau de bord

1 Fixez le microphone ⓐ sur le clip ⓑ, puis faites passer le cordon dans la rainure du clip ⓑ.
2 Fixez le clip ⓑ sur le tableau de bord avec l'adhésif double face ⓒ.
3 Installez un clip (non fourni) et ajustez la longueur et la position du cordon de façon à ce qu'il ne gêne pas la conduite.

Remarques
- *Avant de fixer l'adhésif double face ⓒ, nettoyez la surface du tableau de bord avec un chiffon sec.*
- *Réglez l'angle du microphone afin de le positionner correctement.*
- *Le microphone ⓐ peut être installé sans utiliser le clip ⓑ.*
  En pareil cas, fixez le microphone directement sur le tableau de bord à l'aide de l'adhésif double face ⓒ. Conservez le clip ⓑ inutilisé pour une utilisation ultérieure.

Montage de l'appareil 6

6-A Montage de l'appareil à l'aide d'un kit d'installation (non fourni)

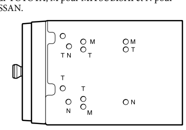
Vous pouvez utiliser un kit d'installation DIN double disponible sur le marché. Choisissez un kit d'installation dont la taille du cadre de la façade est la suivante :
Largeur minimale de 172 × 97 mm (6 7/8 × 3 7/8 po) (l/h), avec un rayon d'arrondi interne inférieur à 0,5 mm (1/32 po).

Remarques
- *Veillez à utiliser exclusivement les vis fournies ②.*
- *Avant d'installer l'appareil avec le kit d'installation monté, veillez à effectuer la vérification suivante :*
  Mettez l'appareil sous tension, puis ouvrez et fermez la façade en appuyant plusieurs fois sur ⏏ pour vérifier que la façade ne touche pas le kit d'installation.

6-B Montage de l'appareil dans une voiture japonaise

Il peut être possible d'installer cet appareil dans certaines voitures de marques japonaises sans kit d'installation (non fourni). Dans le cas contraire, consultez votre détaillant Sony le plus proche.

Si vous installez cet appareil sur les supports préinstallés de votre véhicule, faites passer les vis fournies ② par les trous de vis appropriés, en fonction de votre véhicule : T pour TOYOTA, M pour MITSUBISHI et N pour NISSAN.



Remarques
- *Pour éviter tout problème de fonctionnement, utilisez uniquement les vis ② fournies pour le montage.*
- *N'exercez pas de pression excessive sur les touches de l'appareil.*
- *N'exercez aucune pression sur l'écran LCD.*
- *Avant de procéder au montage, assurez-vous que rien ne se trouve au-dessus de l'appareil.*

Avertissement si le contact de votre véhicule ne comporte pas de position ACC

Veillez à régler la fonction de mise hors tension automatique. Pour obtenir davantage d'informations, consultez le « Mode d'emploi » fourni.
L'appareil s'éteint complètement et automatiquement après le laps de temps choisi lorsqu'aucune source n'est sélectionnée, afin d'éviter que la batterie ne se décharge.
Si vous ne réglez pas la fonction de mise hors tension automatique, appuyez sur la touche (SOURCE/OFF) et maintenez-la enfoncée jusqu'à ce que l'affichage disparaisse à chaque fois que vous coupez le contact.

Touche de réinitialisation

Une fois que l'installation et les raccordements sont terminés, veillez à appuyer sur la touche de réinitialisation à l'aide d'un stylo à bille, etc.

Precauciones

- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera con las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a polvo, suciedad, vibraciones excesivas o altas temperaturas como, por ejemplo, a la luz solar directa o cerca de conductos de calefacción.
- Para realizar una instalación segura y firme, utilice solamente elementos de instalación suministrados.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 45°.

Conexión del cable del freno de estacionamiento 4

Asegúrese de conectar el cable del freno de estacionamiento (verde claro) del cable de conexión de la fuente de alimentación ① al cable de conmutación del freno de estacionamiento. La posición de montaje del cable de conmutación del freno de estacionamiento depende del automóvil. Consulte al distribuidor del automóvil o al distribuidor Sony más cercano para obtener más detalles.

Instalación del micrófono (sólo el modelo XAV-62BT) 5

Para capturar la voz durante una llamada con manos libres, debe instalar el micrófono ③.

Precauciones
- Mantenga el micrófono alejado de lugares con humedad y temperaturas muy altas.
- Que el cable se enrolle alrededor del volante o de la palanca de cambios es extremadamente peligroso. Asegúrese de impedir que el cable y otros componentes obstruyan la conducción.
- Si el vehículo dispone de airbags u otros dispositivos de amortiguación de impactos, póngase en contacto con el establecimiento donde ha adquirido esta unidad o con el concesionario de automóviles antes de llevar a cabo la instalación.

5-A Instalación en la visera

1 Instale el micrófono ⓐ en el clip ⓑ.
2 Instale el clip ⓑ en la visera.
3 Instale los clips (no suministrados) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.

5-B Instalación en el salpicadero

1 Instale el micrófono ⓐ en el clip ⓑ y, a continuación, coloque el cable en la ranura del clip ⓑ.
2 Enganche el clip ⓑ en el salpicadero con la cinta adhesiva de dos caras ⓒ.
3 Instale un clip (no suministrado) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.

Notas
- *Antes de colocar la cinta adhesiva de doble cara ⓒ, limpie la superficie del tablero con un paño seco.*
- *Ajuste el ángulo del micrófono en la posición adecuada.*
- *El micrófono ⓐ se puede instalar sin el clip ⓑ.*
  En este caso, enganche directamente el micrófono al tablero con cinta adhesiva de dos caras ⓒ. Conserve el clip sin usar ⓑ por si lo necesita en el futuro.

Montaje de la unidad 6

6-A Montaje de la unidad con un kit de instalación (no suministrado)

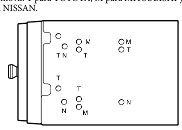
Puede utilizar un kit de instalación doble DIN disponible en el mercado. Elija un kit de instalación con el marco del panel del tamaño que se indica a continuación.
Superior a 172 × 97 mm (an/al), con un radio en la esquina interior inferior a 0,5 mm.

Notas
- *Asegúrese de utilizar los tornillos suministrados ②.*
- *Antes de instalar la unidad con el kit de instalación montado, asegúrese de realizar la siguiente comprobación:*
  Encienda la unidad y presione ⏏ varias veces para abrir/cerrar el panel frontal y compruebe que éste no entre en contacto con el kit de instalación.

6-B Montaje de la unidad en un automóvil japonés

Es posible que pueda instalar la unidad en algunos automóviles japoneses sin el kit de instalación (no suministrado). En caso de que no pudiera, consulte al distribuidor Sony más cercano.

Cuando monte la unidad en los soportes preinstalados de su automóvil, utilice los tornillos suministrados ② en los orificios para tornillos correspondientes en función de su automóvil: T para TOYOTA, M para MITSUBISHI y N para NISSAN.



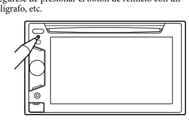
Notas
- *Para evitar que se produzcan fallas de funcionamiento, realice la instalación solamente con los tornillos suministrados ②.*
- *No ejerza excesiva fuerza sobre los botones de la unidad.*
- *No presione la pantalla LCD.*
- *Asegúrese de que no hay ningún objeto encima de la unidad antes de montarla.*

Advertencia: si el encendido del automóvil no dispone de una posición ACC

Asegúrese de ajustar la función de desconexión automática. Para obtener más información, consulte el "Manual de instrucciones" suministrado.
La unidad se apagará completa y automáticamente en el tiempo establecido si no se selecciona ninguna fuente, lo cual evita que se desgaste la batería.
Si no ha ajustado la función de desconexión automática, mantenga presionado (SOURCE/OFF) cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

Botón de reinicio

Una vez finalizadas la instalación y las conexiones, asegúrese de presionar el botón de reinicio con un bolígrafo, etc.



(AEP and UK models)

3

*1 RCA pin cord (not supplied)
*2 The microphone is supplied with XAV-62BT only. For details on installing the microphone, see "Installing the microphone (XAV-62BT only) (5)" on the reverse side.
*3 If your car antenna (aerial) is an ISO (International Organization for Standardization) type, use the supplied adaptor ② to connect it. First connect the car antenna (aerial) to the supplied adaptor, then connect the adaptor ② to the antenna (aerial) jack of the unit.
*4 The microphone input cord is available on XAV-62BT only. Whether in use or not, route the microphone input cord such that it does not interfere with driving. Secure the cord with a clamp, etc., if it is installed around your feet.
*5 For details on connecting to the parking brake switch cord, see "Connecting the parking brake lead (4)" on the reverse side.
*6 Do not remove the protective device.
*7 A separate adaptor may be required.
*8 Speaker impedance: 4 – 8 ohms × 4

*1 Cable con terminales RCA (no suministrado)
*2 El micrófono sólo se suministra con el modelo XAV-62BT. Para obtener detalles sobre la instalación del micrófono, consulte "Instalación del micrófono (sólo con el modelo XAV-62BT) (5)" en el reverso.
*3 Si la antena del vehículo cumple con la norma ISO (Organización Internacional de Normalización), utilice el adaptador ② suministrado para conectarla. En primer lugar, conecte la antena del vehículo al adaptador suministrado y, a continuación, conecte el adaptador ② a la toma de antena de la unidad.
*4 El cable de entrada del micrófono sólo está disponible con el modelo XAV-62BT. Independientemente de si va a utilizarlo, pase el cable de entrada del micrófono de modo que no obstaculice las maniobras de conducción. Fije el cable con una abrazadera o mecanismo similar si lo instala en la zona de los pies.
*5 Para obtener más información acerca de la conexión al cable del interruptor del freno de mano, consulte "Conexión del cable del freno de mano (4)" en el reverso.
*6 No extraiga el dispositivo de protección.
*7 Es posible que se necesite un adaptador independiente.
*8 Impedancia del altavoz: 4 – 8 ohmios × 4

*1 Cavo a piedini RCA (non in dotazione)
*2 Il microfono è in dotazione solo con il modello XAV-62BT. Per ulteriori informazioni sull'installazione del microfono, consultare la sezione "Installazione del microfono (solo XAV-62BT) (5)" sul lato opposto.
*3 Se l'antenna dell'auto è di tipo ISO (International Organization for Standardization), utilizzare l'adattatore ② in dotazione per collegarla. Collegare prima l'antenna della macchina all'adattatore in dotazione, quindi collegare l'adattatore ② alla presa dell'antenna dell'apparecchio.
*4 Il cavo di ingresso del microfono è disponibile solo sul modello XAV-62BT. Indipendentemente dal fatto che venga utilizzato o meno, sistemare il cavo di ingresso del microfono in modo che non interferisca con la guida. Se il cavo è installato nella parte dell'abitacolo riservato ai piedi, fissarlo con un fermacavo o simili.
*5 Per ulteriori informazioni sulla modalità di collegamento del cavo di commutazione del freno a mano, consultare la sezione "Collegamento del cavo del freno a mano (4)" sul lato opposto.
*6 Non rimuovere il dispositivo di protezione.
*7 Potrebbe essere necessario un adattatore separato.
*8 Impedenza diffusori: da 4 a 8 ohm × 4

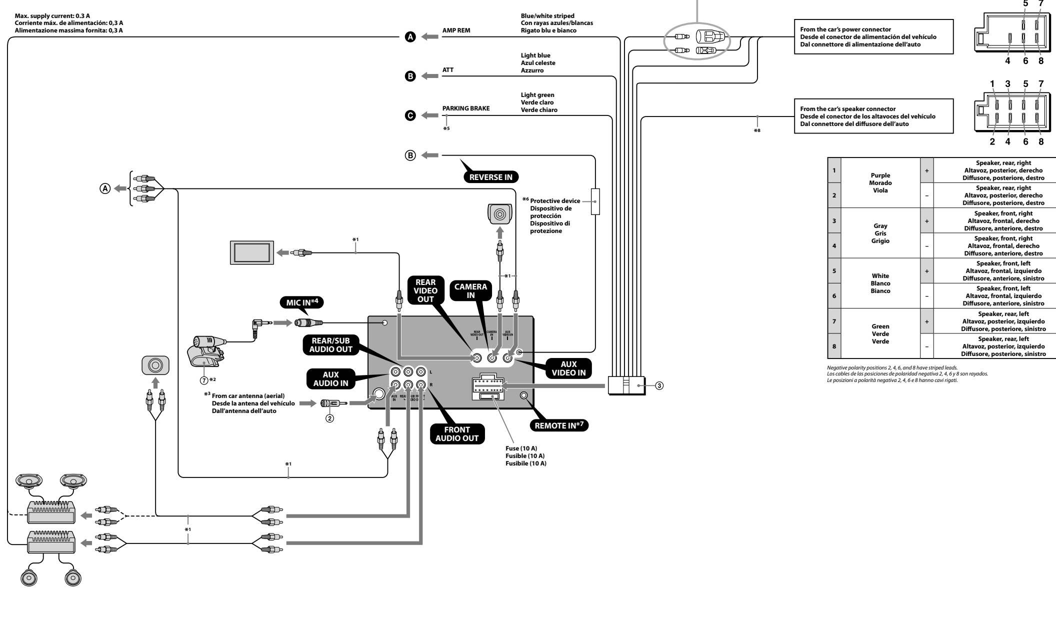
4	Yellow Amarillo Giallo	Continuous power supply Fuente de alimentación continua Alimentazione continua
5	Blue Azul Blu	Power antenna (aerial) control Control de la antena motorizada Comando dell'antenna elettrica
6	Orange/white Naranja/blanco Arancione/bianco	Switched illumination power supply Fuente de alimentación de iluminación conmutada Alimentazione illuminazione commutata
7	Red Rojo Rosso	Switched power supply Fuente de alimentación conmutada Alimentazione commutata
8	Black Negro Nero	Ground (earth) Masa Terra

Positions 1, 2, and 3 do not have pins.
Las posiciones 1, 2 y 3 no tienen terminales.
Le posizioni 1, 2 e 3 non hanno piedini.

For details, see "Power connection diagram" on the reverse side.

Para obtener más información, consulte el "Diagrama de conexión de la alimentación" que encontrará al dorso.

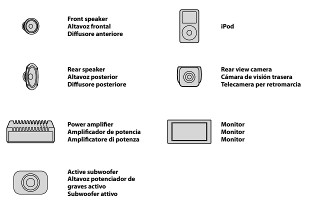
Per ulteriori informazioni, consultare la sezione "Diagramma dei collegamenti di alimentazione" sul lato opposto.



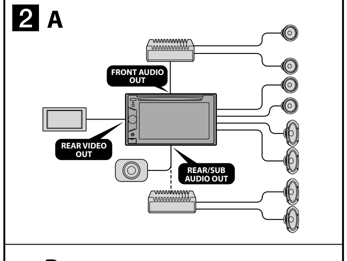
1	Purple Morado Viola	+	Speaker, rear, right Altavoz, posterior, derecho Diffusore, posteriore, destro
2		–	Speaker, rear, right Altavoz, posterior, derecho Diffusore, posteriore, destro
3	Gray Gris Grigio	+	Speaker, front, right Altavoz, frontal, derecho Diffusore, anteriore, destro
4		–	Speaker, front, right Altavoz, frontal, derecho Diffusore, anteriore, destro
5	White Blanco Bianco	+	Speaker, front, left Altavoz, frontal, izquierdo Diffusore, anteriore, sinistro
6		–	Speaker, front, left Altavoz, frontal, izquierdo Diffusore, anteriore, sinistro
7	Green Verde Verde	+	Speaker, rear, left Altavoz, posterior, izquierdo Diffusore, posteriore, sinistro
8		–	Speaker, rear, left Altavoz, posterior, izquierdo Diffusore, posteriore, sinistro

Negative polarity positions 2, 4, 6, and 8 have striped leads.
Los cables de las posiciones de polaridad negativa 2, 4, 6 y 8 son rayados.
Le posizioni a polarità negativa 2, 4, 6 e 8 hanno cavi rigati.

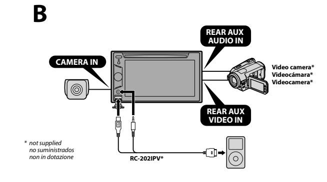
Equipment used in illustrations (not supplied)
Equipo utilizado en las ilustraciones (no suministrado)
Apparecchiatura utilizzata nelle illustrazioni (non in dotazione)



2 A



B



* not supplied
no suministrados
non in dotazione

Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not disassemble or modify the unit.
- Do not install in locations which interfere with airbag operation.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the power supply connection cable ③ to the unit and speakers before connecting it to the auxiliary power connector.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- Do not press on the LCD when installing the unit.

Notes on the power supply lead (yellow)
- When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.
- If no car circuits are rated high enough, connect the unit directly to the battery.

Connection example 2

***Notes* (2-A)**
- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Note* (2-B)**
You cannot use multiple auxiliary devices simultaneously, even if they are connected to different terminals.

Connection diagram 3

Ⓐ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

Ⓑ To the interface cable of a car telephone

Ⓒ To the parking brake switch cord

Ⓐ To an auxiliary device such as a portable media player, game console, etc. (not supplied)
Tip
You can use an RCA cord (not supplied) to connect auxiliary devices.

Ⓑ To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)

Warning

If you have a power antenna (aerial) without a relay box, connecting this unit with the supplied power supply connection cable ③ may damage the antenna (aerial).

Notes on the control and power supply leads
- *The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner, or when you activate the AF (Alternative Frequency) or TA (Traffic Announcement) function.*
- *If your car has a built-in FM/MW/LW antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) or the accessory power supply lead (red) to the power terminal of the antenna (aerial) booster. For details, consult your car dealer.*
- *A power antenna (aerial) without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of a speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if they feature a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Notes on connection
- *If "Output connection failure." appears in the display, make sure the speaker and amplifier are connected correctly.*
- *To use the monitor for the rear seats, connect the parking brake switch cord to the ground (earth).*

Precauciones

- **Conecte todos los cables de conexión a masa a un punto común.**
- Esta unidad ha sido diseñada para alimentarse sólo con cc de 12 V de masa negativa.
- No desmonte ni modifique la unidad.
- No la instale en ubicaciones que puedan interferir con el funcionamiento del airbag.
- No coloque los cables debajo de ningún tornillo, ni los aprisione con partes móviles (p.ej. los raíles del asiento).
- Antes de realizar las conexiones, desactive el encendido del vehículo para evitar cortocircuitos.
- Conecte el cable de suministro de alimentación ③ a la unidad y a los altavoces antes de conectarlo al conector de alimentación auxiliar.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.
- No presione la pantalla de cristal líquido al instalar la unidad.

Notas sobre el cable de fuente de alimentación (amarillo)
- Cuando conecte esta unidad en combinación con otros componentes estéreo, la capacidad nominal del circuito del automóvil al que se conecta la unidad debe ser superior a la suma de la capacidad nominal de los fusibles de cada componente.
- Si no hay circuitos del automóvil con una capacidad nominal suficientemente alta, conecte la unidad directamente a la batería.

Ejemplo de conexiones 2

***Notas* (2-A)**
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará únicamente si se utiliza el amplificador incorporado.*

***Nota* (2-B)**
No es posible utilizar varios dispositivos auxiliares simultáneamente, aunque estén conectados a distintos terminales.

Diagrama de conexión 3

Ⓐ A AMP REMOTE IN de un amplificador de potencia opcional
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

Ⓑ Al cable de interfaz de un teléfono de automóvil

Ⓒ Al cable del interruptor del freno de mano

Ⓐ A equipos auxiliares, por ejemplo, a un reproductor multimedia portátil, a una consola de videojuegos, etc. (no suministrados)
Sugerencia
Es posible utilizar un cable RCA (no suministrado) para conectar dispositivos auxiliares.

Ⓑ Al terminal de alimentación de +12 V del cable de la luz trasera del vehículo (únicamente cuando se conecta la cámara de visualización posterior)

Advertencia

Si dispone de una antena motorizada sin caja de relé, es posible que la conexión de esta unidad mediante el cable de suministro de alimentación ③ suministrado provoque daños en la antena.

Notas sobre los cables de control y de fuente de alimentación
- *El cable de control de la antena motorizada (azul) suministrará cc de +12 V cuando encienda el sintonizador o active la función AF (Frecuencias alternativas) o TA (Notificación de tráfico).*
- *Si el vehículo tiene una antena de FM/MW/LW integrada en el cristal trasero/lateral, conecte el cable de control de la antena motorizada (azul) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de la antena. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

Conexión para protección de la memoria
Si conecta el cable de fuente de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del vehículo ni conecte los terminales de los altavoces derechos a los terminales de los altavoces izquierdos.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) de un altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallos de funcionamiento, no utilice los cables de altavoz incorporados instalados en el vehículo si tienen un cable negativo (–) común para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

Notas sobre la conexión
- *Si aparece el mensaje "Falla de la conexión de salida." en la pantalla, compruebe que el altavoz y el amplificador estén conectados correctamente.*
- *Si desea utilizar el monitor para los asientos traseros, conecte el cable del interruptor del freno de mano a la toma de masa.*

Attenzione

- **Portare tutti i cavi di massa a un punto di massa comune.**
- Questo apparecchio è stato progettato per l'uso solo a 12 V CC con massa negativa.
- Non smontare o modificare l'apparecchio.
- Non installare l'apparecchio in luoghi in cui potrebbe interferire con il funzionamento del sistema airbag.
- Evitare che i cavi rimangano bloccati da una vite o incastrati nelle parti mobili (ad esempio nelle guide scorrevoli dei sedili).
- Prima di effettuare i collegamenti, spegnere il motore dell'automobile onde evitare di causare cortocircuiti.
- Collegare il cavo di collegamento dell'alimentazione ③ all'apparecchio e ai diffusori prima di collegarlo al connettore di alimentazione ausiliaria.
- Per sicurezza, assicurarsi di isolare qualsiasi cavo non collegato utilizzando del nastro adesivo.
- Durante l'installazione dell'apparecchio, prestare attenzione a non toccare lo schermo LCD.

Note sul cavo di alimentazione (giallo)
- Se questo apparecchio viene collegato in combinazione con altri componenti stereo, la potenza nominale dei circuiti dell'automobile deve essere superiore a quella prodotta dalla somma dei fusibili di ciascun componente.
- Se la potenza nominale dei circuiti dell'automobile non è sufficiente, collegare l'apparecchio direttamente alla batteria.

Esempio di collegamento 2

***Note* (2-A)**
- *Assicurarsi di collegare il cavo di messa a terra prima di collegare l'apparecchio all'amplificatore.*
- *L'allarme viene emesso solo se è in uso l'amplificatore incorporato.*

***Nota* (2-B)**
Non è possibile utilizzare contemporaneamente più dispositivi ausiliari, anche se questi sono collegati a terminali diversi.

Schema di collegamento 3

Ⓐ A AMP REMOTE IN di un amplificatore di potenza opzionale
Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.

Ⓑ Al cavo di interfaccia di un telefono per auto

Ⓒ Al cavo di commutazione del freno a mano

Ⓐ All'apparecchio ausiliario, quale ad esempio un lettore portatile, un dispositivo di gioco e così via (non in dotazione)
Suggerimento
È possibile utilizzare un cavo RCA (non in dotazione) per collegare i dispositivi ausiliari.

Ⓑ Al terminale di alimentazione da +12 V del cavo spia della retromarcia dell'auto (solo se viene collegata la videocamera posteriore)

Avvertenza

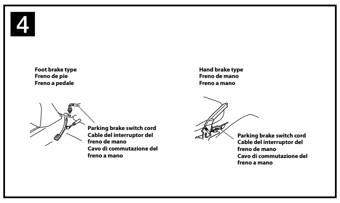
Quando si collega l'apparecchio con il cavo di collegamento dell'alimentazione in dotazione ③, si potrebbe danneggiare l'antenna elettrica, se questa non dispone di scatola a relé.

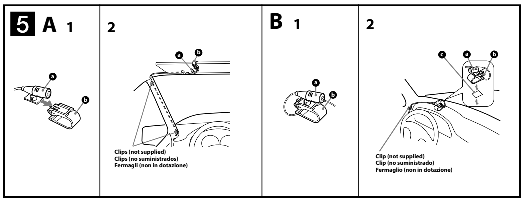
Note sui cavi di controllo e di alimentazione
- *Il cavo (blu) di controllo dell'antenna elettrica fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore oppure la funzione TA (notiziario sul traffico) o AF (frequenza alternativa).*
- *Se l'automobile è dotata di antenna FM/MW/LW incorporata nel vetro posteriore/laterale, collegare il cavo (blu) di controllo dell'antenna elettrica o il cavo (rosso) di ingresso dell'alimentazione accessoria al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare l'autoconcessionario.*
- *Non è possibile usare un'antenna elettrica senza scatola a relè con questo apparecchio.*

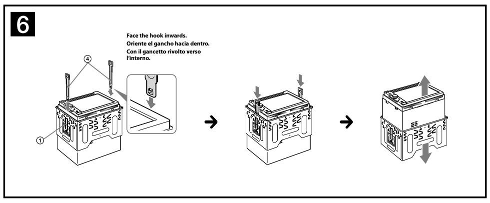
Collegamento per la conservazione della memoria
Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.

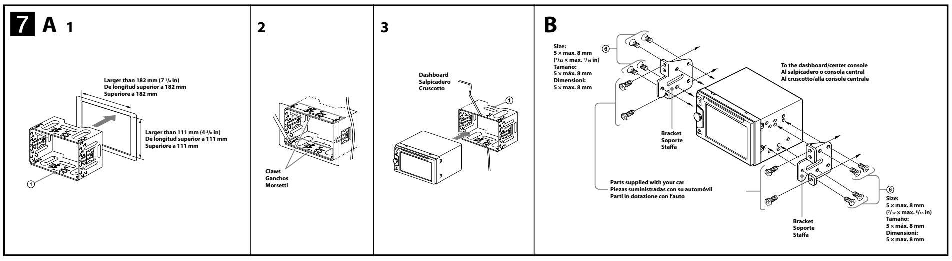
Note sul collegamento dei diffusori
- *Prima di collegare i diffusori spegnere l'apparecchio.*
- *Utilizzare diffusori con impedenza compresa tra 4 e 8 ohm e con capacità di potenza adeguata, altrimenti i diffusori potrebbero venire danneggiati.*
- *Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali dei diffusori destri a quelli dei diffusori sinistri.*
- *Non collegare il cavo di terra di questo apparecchio al terminale negativo (–) di un diffusore.*
- *Non collegare i diffusori in parallelo.*
- *Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.*
- *Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (–) per i diffusori destro e sinistro.*
- *Non collegare fra loro i cavi dei diffusori dell'apparecchio.*

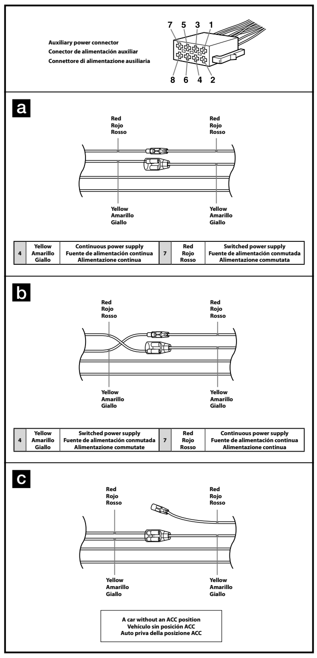
Note sui collegamenti
- *Se "Output connection failure." viene visualizzato sul display, accertarsi che l'amplificatore e il diffusore siano collegati correttamente.*
- *Se viene utilizzato il monitor per i sedili posteriori, collegare il cavo di commutazione del freno a mano alla massa (terra).*











Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Connecting the parking brake lead 4

Be sure to connect the parking brake lead (light green) of the power supply connection cable ③ to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Consult your car dealer or your nearest Sony dealer for further details.

Installing the microphone (XAV-62BT only) 5

To capture your voice during handsfree calling, you need to install the microphone ⑦.

Cautions
- Keep the microphone away from extremely high temperatures and humidity.
- It is extremely dangerous if the cord becomes wound around the steering column or gearstick. Be sure to keep it and other parts from obstructing your driving.
- If airbags or any other shock-absorbing equipment is in your car, contact the store where you purchased this unit, or the car dealer, before installation.

5-A Installing on the sun visor

1. **Install the microphone ⓐ on the clip ⓑ.**
2. **Install the clip ⓑ on the sun visor.**
3. **Install clips (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.**

5-B Installing on the dashboard

1. **Install the microphone ⓐ on the clip ⓑ, then place the cord along the groove of the clip ⓑ.**
2. **Attach the clip ⓑ to the dashboard with the double-sided tape ⓒ.**
3. **Install a clip (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.**

Notes
- *Before attaching the double-sided tape ⓒ, clean the surface of the dashboard with a dry cloth.*
- *Adjust the microphone angle to the proper position.*
- *The microphone ⓐ can be installed without using the clip ⓑ. In this case, directly attach the microphone to the dashboard with the double-sided tape ⓒ. Keep the unused clip ⓑ for future use.*

Removing the bracket 6

Before installing the unit, remove the bracket ① from the unit.

1. **Insert both release keys ④ together between the unit and the bracket ① until they click.**
2. **Pull down the bracket ①, then pull up the unit to separate them.**

Mounting the unit 7

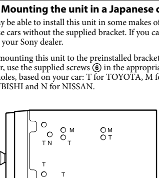
7-A Mounting the unit with the supplied bracket

1. **Position the supplied bracket ① inside the dashboard.**
2. **Bend the claws outward for a tight fit.**
3. **Mount the unit onto the supplied bracket ①.**

7-B Mounting the unit in a Japanese car

You may be able to install this unit in some makes of Japanese cars without the supplied bracket. If you cannot, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the supplied screws ⑥ in the appropriate screw holes, based on your car: T for TOYOTA, M for MITSUBISHI and N for NISSAN.



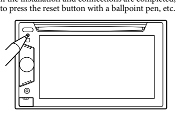
Notes
- *To avoid a malfunction, install only with the supplied screws ⑥.*
- *Do not apply excessive force to the buttons of the unit.*
- *Do not press on the LCD.*
- *Before mounting, make sure there is nothing on the top of the unit.*

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, refer to the supplied "Operating Instructions."
The unit will shut off completely and automatically in the set time when no source is selected, which prevents battery drainage.
If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.



Precauciones

- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera con las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a polvo, suciedad, vibraciones excesivas o altas temperaturas como, por ejemplo, a la luz solar directa o cerca de conductos de calefacción.
- Para realizar una instalación segura y firme, utilice solamente los componentes de montaje suministrados.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 45°.

Conexión del cable del freno de mano 4

Asegúrese de conectar el cable del freno de mano (de color verde claro) del cable de suministro de alimentación ③ al cable del interruptor del freno de mano. La posición de montaje del cable del interruptor del freno de mano depende de su vehículo. Consulte con su concesionario o con el distribuidor de Sony más cercano para obtener más información.

Instalación del micrófono (sólo con el modelo XAV-62BT) 5

Para capturar su voz durante las llamadas con manos libres, es necesario instalar el micrófono ⑦.

Precauciones
- Mantenga el micrófono alejado de lugares con humedad y temperaturas muy altas.
- Que el cable se enrolle alrededor del volante o de la palanca de cambios es extremadamente peligroso. Asegúrese de impedir que el cable y otros componentes obstruyan la conducción.
- Si el vehículo dispone de airbags u otros dispositivos de amortiguación de impactos, póngase en contacto con el establecimiento donde ha adquirido esta unidad o con el concesionario de automóviles antes de llevar a cabo la instalación.

5-A Instalación en la visera

1. **Instale el micrófono ⓐ en el clip ⓑ.**
2. **Instale el clip ⓑ en la visera.**
3. **Instale los clips (no suministrados) y ajuste la longitud y la posición del cable para evitar que obstaculice la conducción.**

5-B Instalación en el salpicadero

1. **Instale el micrófono ⓐ en el clip ⓑ y, a continuación, coloque el cable en la ranura del clip ⓑ.**
2. **Enganche el clip ⓑ en el salpicadero con la cinta adhesiva de dos caras ⓒ.**
3. **Instale un clip (no suministrado) y ajuste la longitud y la posición del cable para evitar que obstaculice la conducción.**

Notas
- *Antes de colocar la cinta adhesiva de doble cara ⓒ, limpie la superficie del salpicadero con un paño seco.*
- *Ajuste el ángulo del micrófono en la posición adecuada.*
- *El micrófono ⓐ puede instalarse sin el clip ⓑ. En este caso, enganche directamente el micrófono en el salpicadero con la cinta adhesiva de dos caras ⓒ. Guarde el clip ⓑ por si le hace falta en el futuro.*

Extracción del soporte 6

Antes de instalar la unidad, extraiga el soporte ① de la unidad.

1. **Inserte ambas llaves de liberación ④ entre la unidad y el soporte ① hasta que encajen.**
2. **Presione el soporte ① y, a continuación, levante la unidad para separar ambos elementos.**

Montaje de la unidad 7

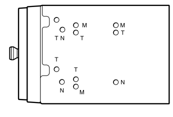
7-A Montaje de la unidad con el soporte suministrado

1. **Coloque el soporte suministrado ① dentro del salpicadero.**
2. **Doble los ganchos hacia fuera para conseguir una fijación segura.**
3. **Monte la unidad en el soporte suministrado ①.**

7-B Montaje de la unidad en un vehículo japonés

Es posible que pueda instalar esta unidad en algunos vehículos de marcas japonesas sin necesidad de utilizar el soporte suministrado. En caso de que no pueda, póngase en contacto con el distribuidor de Sony.

Para montar esta unidad en los soportes preinstalados del vehículo, utilice los tornillos ⑥ suministrados en los orificios para tornillos correspondientes en función de su automóvil: T corresponde a TOYOTA, M a MITSUBISHI y N a NISSAN.



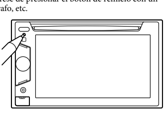
Notas
- *Para evitar fallos de funcionamiento, realice la instalación únicamente con los tornillos suministrados ⑥.*
- *No ejerza presión excesiva sobre los botones de la unidad.*
- *No ejerza presión sobre la pantalla de cristal líquido.*
- *Antes de efectuar el montaje, asegúrese de que no haya ningún objeto en la parte superior de la unidad.*

Advertencia: si el encendido del vehículo no dispone de una posición ACC

Asegúrese de ajustar la función de desconexión automática. Para obtener información, consulte el "Manual de instrucciones" suministrado.
La unidad se apagará del todo automáticamente en el tiempo establecido si no hay ninguna fuente seleccionada, lo que evita que se desgaste la batería.
Si no ha ajustado la función de desconexión automática, mantenga pulsado (SOURCE/OFF) cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

Botón de reinicio

Una vez finalizadas la instalación y las conexiones, asegúrese de presionar el botón de reinicio con un bolígrafo, etc.



Precauzioni

- Scegliere con attenzione la posizione per l'installazione in modo che l'apparecchio non interferisca con le operazioni di guida del conducente.
- Evitare di installare l'apparecchio dove sia soggetto ad alte temperature, come alla luce solare diretta o al getto di aria calda dell'impianto di riscaldamento, o dove possa essere soggetto a polvere, sporcizia e vibrazioni eccessive.
- Usare solo il materiale di montaggio in dotazione per un'installazione stabile e sicura.

Regolazione dell'angolo di montaggio

Regolare l'angolo di montaggio in modo che sia inferiore a 45°.

Collegamento del cavo del freno a mano 4

Assicurarsi di collegare il cavo del freno a mano (verde chiaro) del cavo di collegamento dell'alimentazione ③ al cavo di commutazione del freno a mano. La posizione di montaggio del cavo di commutazione del freno a mano varia in base all'auto. Per ulteriori informazioni, consultare l'autoconcessionario di fiducia o il più vicino rivenditore Sony.

Installazione del microfono (solo XAV-62BT) 5

Per catturare la voce durante le chiamate in vivavoce, è necessario installare il microfono ⑦.

Attenzione
- Non sottoporre il microfono a temperature ed umidità eccessivamente elevate.
- Se il cavo rimane avvolto al piantone di guida o alla leva del cambio, possono verificarsi situazioni di pericolo. Accertarsi di posizionare il cavo e altre parti in modo che non ostruiscano la guida.
- Se nell'auto sono presenti air-bag o altri dispositivi di assorbimento degli urti, prima dell'installazione contattare il negozio in cui è stato acquistato l'apparecchio o l'autoconcessionario.

5-A Installazione sull'aletta parasole

1. **Installare il microfono ⓐ sul fermaglio ⓑ.**
2. **Installare il fermaglio ⓑ sull'aletta parasole.**
3. **Installare i fermagli (non in dotazione) e regolare la lunghezza e la posizione del cavo in modo che non ostacoli la guida.**

5-B Installazione sul cruscotto

1. **Installare il microfono ⓐ sul fermaglio ⓑ, quindi posizionare il cavo nella scanalatura del fermaglio stesso ⓑ.**
2. **Applicare il fermaglio ⓑ al cruscotto utilizzando il nastro biadesivo ⓒ.**
3. **Installare un fermaglio (non in dotazione) e regolare la lunghezza e la posizione del cavo in modo che non ostacoli la guida.**

Note
- *Prima di applicare il nastro biadesivo ⓒ, pulire la superficie del cruscotto con un panno asciutto.*
- *Regolare l'angolazione del microfono sulla posizione corretta.*
- *Il microfono ⓐ può essere installato senza utilizzare il fermaglio ⓑ. In questo caso, applicare direttamente il microfono al cruscotto utilizzando il nastro biadesivo ⓒ. Conservare il fermaglio non utilizzato ⓑ per usi futuri.*

Rimozione della staffa 6

Prima di installare l'apparecchio, rimuovere la staffa ① dall'apparecchio.

1. **Inserire contemporaneamente entrambe le chiavette di rilascio ④ tra l'apparecchio e la staffa ① fino a che non scattano in posizione.**
2. **Estrarre la staffa ①, quindi sollevare l'apparecchio per rimuoverlo.**

Montaggio dell'unità 7

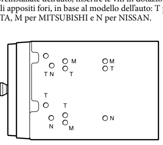
7-A Montare l'apparecchio utilizzando la staffa in dotazione

1. **Installare la staffa in dotazione ① nel cruscotto.**
2. **Piegare i morsetti verso l'esterno per un'applicazione più stabile.**
3. **Montare l'apparecchio sulla staffa in dotazione ①.**

7-B Montaggio in un'auto giapponese

È possibile installare il presente apparecchio in alcuni tipi di auto giapponesi senza utilizzare la staffa in dotazione. In caso contrario, rivolgersi al rivenditore Sony autorizzato.

Durante il montaggio del presente apparecchio sulle staffe preinstallate dell'auto, inserire le viti in dotazione ⑥ negli appositi fori, in base al modello dell'auto: T per TOYOTA, M per MITSUBISHI e N per NISSAN.



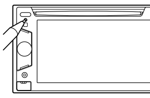
Note
- *Effettuare l'installazione utilizzando esclusivamente le viti in dotazione ⑥, onde evitare problemi di funzionamento.*
- *Non applicare forza eccessiva sui tasti dell'apparecchio.*
- *Non premere con forza sullo schermo LCD.*
- *Prima del montaggio, accertarsi che sulla parte superiore dell'apparecchio non vi sia alcun oggetto.*

Avvertenza relativa all'installazione su un'auto sprovvista della posizione ACC (accessoria) sul blocchetto di accensione

Accertarsi di impostare la funzione di spegnimento automatico. Per ulteriori informazioni, consultare le "Istruzioni per l'uso" in dotazione.
L'apparecchio si spegne completamente e automaticamente all'ora impostata quando non è selezionata alcuna sorgente, onde evitare che la batteria si scarichi.
Se la funzione di spegnimento automatico non è stata impostata, ogni volta che il motore viene spento tenere premuto (SOURCE/OFF) finché il display non viene disattivato.

Tasto di azzeramento

Una volta completate le procedure di installazione e I collegamenti, accertarsi di premere il tasto di azzeramento con una penna a sfera o un oggetto simile.



Power connection diagram

The auxiliary power connector may vary depending on your car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are three basic types (illustrated below). You may need to switch the positions of the red and yellow leads of the unit's power supply connection cable ③.
After matching the connections and switched power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in these instructions, please consult your car dealer.

Diagrama de conexión de la alimentación

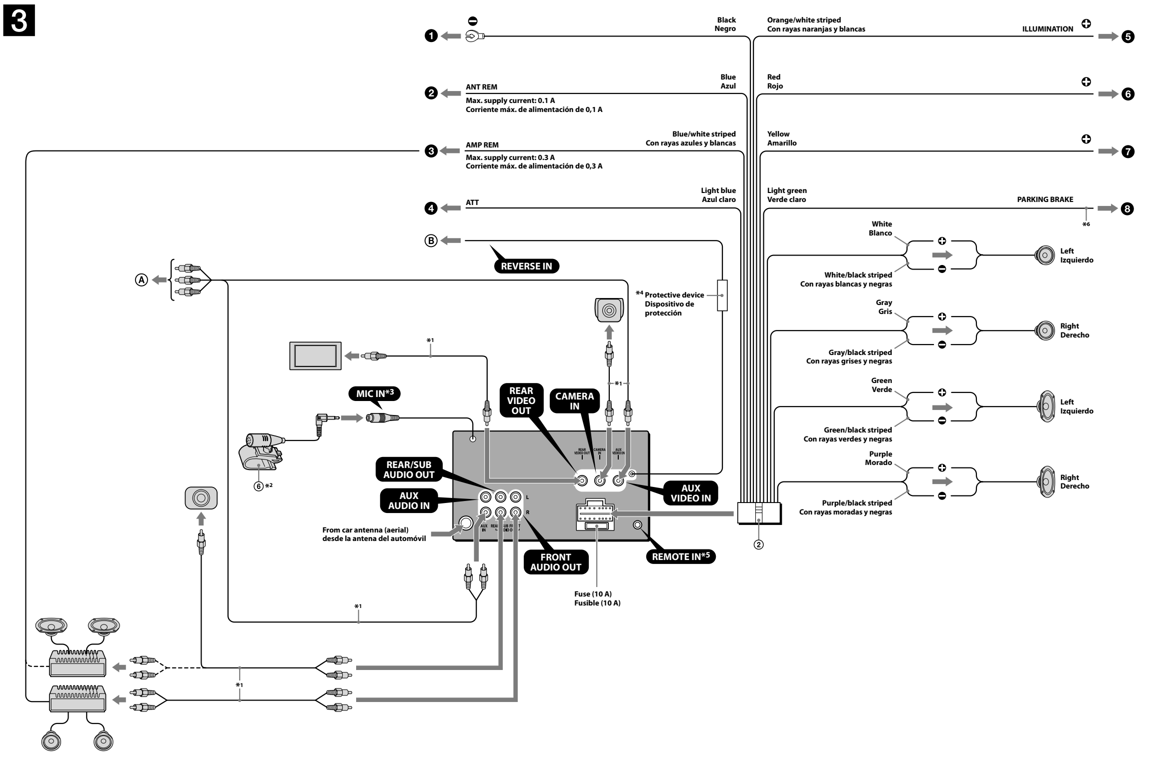
El conector de alimentación auxiliar puede variar según el vehículo. Consulte el diagrama de conexión de la alimentación auxiliar del vehículo para asegurarse de que realiza las conexiones correctamente. Hay tres tipos básicos de diagramas (se muestran a continuación). Es posible que deba intercambiar las posiciones de los cables rojo y amarillo del cable de suministro de alimentación de la unidad ③. Una vez que haya realizado las conexiones de los cables de la fuente de alimentación conmutada correctamente, conecte la unidad a la alimentación del vehículo. Si desea realizar alguna consulta o solucionar algún problema relativo a la conexión de la unidad que no se trate en este manual, póngase en contacto con el concesionario en el que ha adquirido el vehículo.

Diagramma dei collegamenti di alimentazione

Il connettore di alimentazione ausiliaria può variare a seconda della macchina. Controllare il diagramma del connettore di alimentazione ausiliaria dell'auto per assicurarsi che i collegamenti corrispondano correttamente. Vi sono tre tipi di base (illustrazione sotto). Potrebbe essere necessario cambiare le posizioni dei fili rosso e giallo del cavo di collegamento dell'alimentazione dell'apparecchio ③. Dopo aver fatto corrispondere i collegamenti e aver commutato correttamente i cavi di alimentazione, collegare l'apparecchio all'alimentazione della macchina. In caso di domande o se sorgono problemi relativi al collegamento dell'apparecchio che non sono stati trattati nel presente manuale, contattare l'autoconcessionario.

(E (NTSC) model)

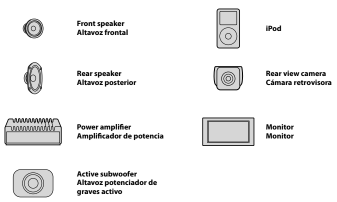
3



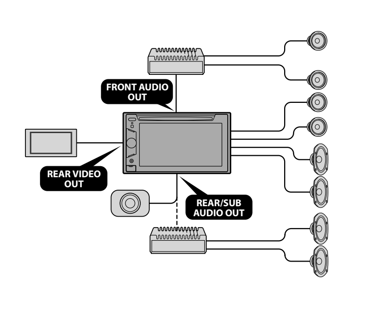
*1 RCA pin cord (not supplied)
*2 The microphone is supplied with XAV-62BT only. For details on installing the microphone, see "Installing the microphone (XAV-62BT only) (5)" on the reverse side.
*3 The microphone input cord is available on XAV-62BT only. Whether in use or not, route the microphone input cord such that it does not interfere with driving. Secure the cord with a clamp, etc., if it is installed around your feet.
*4 Do not remove the protective device.
*5 A separate adaptor may be required.
*6 For details on connecting to the parking brake switch cord, see "Connecting the parking brake lead (4)" on the reverse side.

*1 Cable con terminales RCA (no suministrado)
*2 El micrófono se suministra sólo con el modelo XAV-62BT. Para obtener detalles sobre la instalación del micrófono, consulte "Instalación del micrófono (sólo el modelo XAV-62BT) 5" al reverso.
*3 El cable de entrada del micrófono se encuentra disponible sólo con el modelo XAV-62BT. Se esté utilizando o no, coloque el cable de entrada del micrófono de modo que no interfiera en el manejo del automóvil. Si instala los cables cerca de la zona de los pies, fíjelos con una abrazadera, etc.
*4 No retire el dispositivo de protección.
*5 Puede requerirse un adaptador independiente.
*6 Para obtener detalles acerca de cómo conectar el cable de conmutación del freno de estacionamiento, consulte "Conexión del cable del freno de estacionamiento (4)" en el dorso.

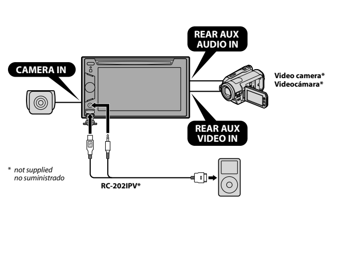
Equipment used in illustrations (not supplied)
Equipo utilizado en las ilustraciones (no suministrado)



2 A



B



* not supplied
no suministrado

Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not disassemble or modify the unit.
- Do not install in locations which interfere with airbag operation.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- Do not press on the LCD when installing the unit.

Notes on the power supply lead (yellow)
- When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.
- If no car circuits are rated high enough, connect the unit directly to the battery.

Connection example 2

***Notes* (2-A)**
- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Note* (2-B)**
You cannot use multiple auxiliary devices simultaneously, even if they are connected to different terminals.

Connection diagram 3

❶ **To a common ground (earth) point**
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.

❷ **To the power antenna (aerial) control lead or the power supply lead of the antenna (aerial) booster**
Notes
- *It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).*
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❸ **To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ **To the interface cable of a car telephone**

❺ **To a car's illumination signal**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❻ **To the +12 V power terminal which is energized when the ignition switch is set to the accessory position**
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.*
  Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❼ **To the +12 V power terminal which is energized at all times**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❽ **To the parking brake switch cord**

Ⓐ **To an auxiliary device such as a portable media player, game console, etc. (not supplied)**
Tip
You can use an RCA cord (not supplied) to connect auxiliary devices.

Ⓑ **To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)**

Notes on the control and power supply leads
- *The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) or the accessory power supply lead (red) to the power terminal of the antenna (aerial) booster. For details, consult your car dealer.*
- *A power antenna (aerial) without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of a speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if they feature a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Notes on connection
- *If "Output connection failure." appears in the display, make sure the speaker and amplifier are connected correctly.*
- *To use the monitor for the rear seats, connect the parking brake switch cord to the ground (earth).*

Precauciones

- **Conecte todos los cables de conexión a masa a un punto común.**
- Esta unidad ha sido diseñada para alimentarse solamente con cc de 12 V de masa negativa.
- No desmonte ni modifique la unidad.
- No instale la unidad en lugares en los que interfiera con el funcionamiento del airbag.
- No coloque los cables debajo de ningún tornillo, ni los aprisione con partes móviles (p. ej. los raíles del asiento).
- Antes de realizar las conexiones, desactive el encendido del automóvil para evitar cortocircuitos.
- Conecte los cables de fuente de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.
- No presione la pantalla LCD cuando instale la unidad.

Notas sobre el cable de fuente de alimentación (amarillo)
- Cuando conecte esta unidad en combinación con otros componentes estéreo, la capacidad nominal del circuito conectado del automóvil debe ser superior a la suma del fusible de cada componente.
- Si no hay circuitos del automóvil con capacidad nominal suficientemente alta, conecte la unidad directamente a la batería.

Ejemplo de conexiones 2

***Notas* (2-A)**
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará solamente si se utiliza el amplificador incorporado.*

***Nota* (2-B)**
No es posible utilizar los dispositivos auxiliares de manera simultánea, aunque estén conectados a diferentes terminales.

Diagrama de conexiones 3

❶ **A un punto de conexión a masa común**
Conecte primero el cable de conexión a masa negro, y después los cables de fuente de alimentación rojo y amarillo.

❷ **Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
Notas
- *Si no se dispone de antena motorizada ni de amplificador de señal de la antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.*
- *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control y de fuente de alimentación".*

❸ **A AMP REMOTE IN de un amplificador de potencia opcional**
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

❹ **Al cable de interfaz de un teléfono para automóvil**

❺ **A una señal de iluminación del automóvil**
Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.

❻ **Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido**
Notas
- *Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.*
  Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.
- *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control y de fuente de alimentación".*

❼ **Al terminal de alimentación de +12 V que recibe energía sin interrupción**
Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.

❽ **Al cable de conmutación del freno de estacionamiento**

Ⓐ **A un dispositivo auxiliar, como, por ejemplo, un reproductor portátil, una consola de videojuegos, etc. (no suministrados)**
Sugerencia
Es posible utilizar el cable con terminales RCA (no suministrado) para conectar dispositivos auxiliares.

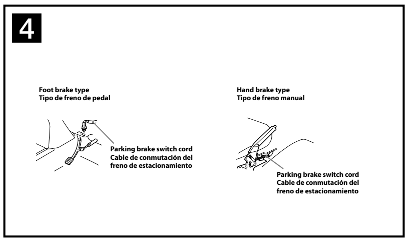
Ⓑ **Al terminal de alimentación de +12 V del cable del indicador posterior del automóvil (únicamente cuando conecte la cámara retrovisora)**

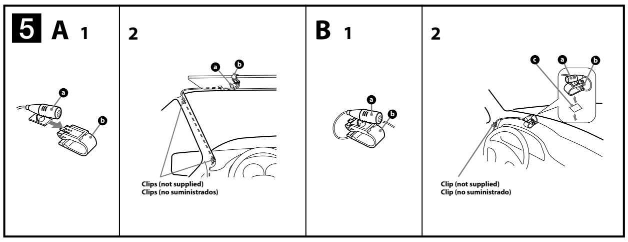
Notas sobre los cables de control y de fuente de alimentación
- *El cable de control de la antena motorizada (azul) suministrará cc de + 12 V cuando conecte la alimentación del sintonizador.*
- *Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, conecte el cable de control de la antena motorizada (azul) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de señal de la antena existente. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

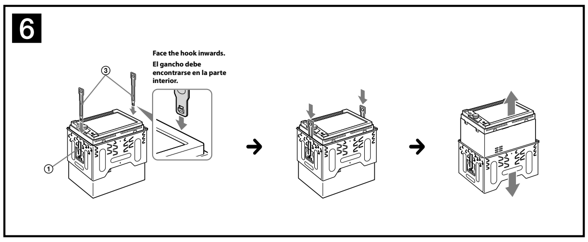
Conexión para protección de la memoria
Si conecta el cable de fuente de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

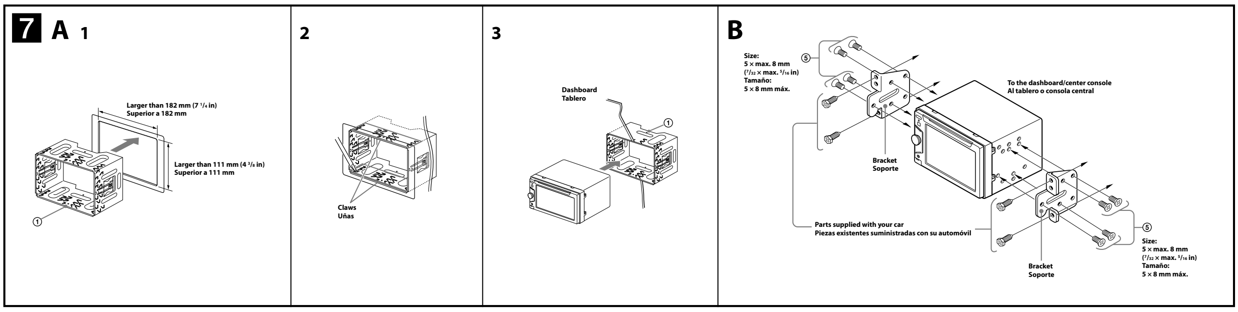
Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del automóvil ni conecte los terminales de altavoz derecho con los del izquierdo.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) del altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallas de funcionamiento, no utilice los cables de altavoz integrados instalados en el automóvil si la unidad comparte un cable negativo común (–) para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

Notas sobre la conexión
- *Si en la pantalla, aparece "Falla de la conexión de salida.", verifique que el altavoz y el amplificador estén conectados correctamente.*
- *Si va a utilizar el monitor para los asientos posteriores, conecte el cable de conmutación del freno de estacionamiento a masa.*









Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Connecting the parking brake lead 4

Be sure to connect the parking brake lead (light green) of the power supply connection cable ② to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Consult your car dealer or your nearest Sony dealer for further details.

Installing the microphone (XAV-62BT only) 5

To capture your voice during handsfree calling, you need to install the microphone ⑥.

Cautions

- Keep the microphone away from extremely high temperatures and humidity.
- It is extremely dangerous if the cord becomes wound around the steering column or gearstick. Be sure to keep it and other parts from obstructing your driving.
- If airbags or any other shock-absorbing equipment is in your car, contact the store where you purchased this unit, or the car dealer, before installation.

5-A Installing on the sun visor

1. **Install the microphone ⓐ on the clip ⓑ.**
2. **Install the clip ⓑ on the sun visor.**
3. **Install clips (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.**

5-B Installing on the dashboard

1. **Install the microphone ⓐ on the clip ⓑ, then place the cord along the groove of the clip ⓑ.**
2. **Attach the clip ⓑ to the dashboard with the double-sided tape ⓒ.**
3. **Install a clip (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.**

Notes

- *Before attaching the double-sided tape ⓒ, clean the surface of the dashboard with a dry cloth.*
- *Adjust the microphone angle to the proper position.*
- *The microphone ⓐ can be installed without using the clip ⓑ. In this case, directly attach the microphone to the dashboard with the double-sided tape ⓒ. Keep the unused clip ⓑ for future use.*

Removing the bracket 6

Before installing the unit, remove the bracket ① from the unit.

1. **Insert both release keys ③ together between the unit and the bracket ① until they click.**
2. **Pull down the bracket ①, then pull up the unit to separate them.**

Mounting the unit 7

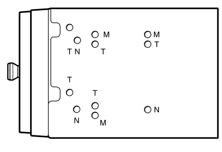
7-A Mounting the unit with the supplied bracket

1. **Position the supplied bracket ① inside the dashboard.**
2. **Bend the claws outward for a tight fit.**
3. **Mount the unit onto the supplied bracket ①.**

7-B Mounting the unit in a Japanese car

You may be able to install this unit in some makes of Japanese cars without the supplied bracket. If you cannot, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the supplied screws ⑤ in the appropriate screw holes, based on your car: T for TOYOTA, M for MITSUBISHI and N for NISSAN.



Notes

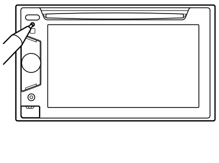
- *To avoid a malfunction, install only with the supplied screws ⑤.*
- *Do not apply excessive force to the buttons of the unit.*
- *Do not press on the LCD.*
- *Before mounting, make sure there is nothing on the top of the unit.*

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, refer to the supplied "Operating Instructions."
The unit will shut off completely and automatically in the set time when no source is selected, which prevents battery drainage.
If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.



Precauciones

- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera con las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a polvo, suciedad, vibraciones excesivas o altas temperaturas como, por ejemplo, a la luz solar directa o cerca de conductos de calefacción.
- Para realizar una instalación segura y firme, utilice solamente elementos de instalación suministrados.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 45°.

Conexión del cable del freno de estacionamiento 4

Asegúrese de conectar el cable del freno de estacionamiento (verde claro) del cable de conexión de la fuente de alimentación ② al cable de conmutación del freno de estacionamiento. La posición de montaje del cable de conmutación del freno de estacionamiento depende del automóvil. Consulte al distribuidor del automóvil o al distribuidor Sony más cercano para obtener más detalles.

Instalación del micrófono (sólo el modelo XAV-62BT) 5

Para capturar la voz durante una llamada con manos libres, debe instalar el micrófono ⑥.

Precauciones

- Mantenga el micrófono alejado de lugares con humedad y temperaturas muy altas.
- Que el cable se enrolle alrededor del volante o de la palanca de cambios es extremadamente peligroso. Asegúrese de impedir que el cable y otros componentes obstruyan la conducción.
- Si el vehículo dispone de airbags u otros dispositivos de amortiguación de impactos, póngase en contacto con el establecimiento donde ha adquirido esta unidad o con el concesionario de automóviles antes de llevar a cabo la instalación.

5-A Instalación en la visera

1. **Instale el micrófono ⓐ en el clip ⓑ.**
2. **Instale el clip ⓑ en la visera.**
3. **Instale los clips (no suministrados) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.**

5-B Instalación en el salpicadero

1. **Instale el micrófono ⓐ en el clip ⓑ y, a continuación, coloque el cable en la ranura del clip ⓑ.**
2. **Enganche el clip ⓑ en el salpicadero con la cinta adhesiva de dos caras ⓒ.**
3. **Instale un clip (no suministrado) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.**

Notas

- *Antes de colocar la cinta adhesiva de doble cara ⓒ, limpie la superficie del tablero con un paño seco.*
- *Ajuste el ángulo del micrófono en la posición adecuada.*
- *El micrófono ⓐ se puede instalar sin el clip ⓑ. En este caso, enganche directamente el micrófono al tablero con cinta adhesiva de dos caras ⓒ. Conserve el clip sin usar ⓑ por si lo necesita en el futuro.*

Extracción del soporte 6

Antes de instalar la unidad, extraiga el soporte ① de la unidad.

1. **Inserte ambas llaves de liberación ③ entre la unidad y el soporte ① hasta que encajen.**
2. **Presione el soporte ① y, a continuación, levante la unidad para separar ambos elementos.**

Montaje de la unidad 7

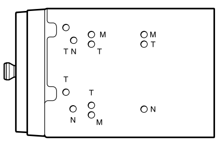
7-A Montaje de la unidad con el soporte suministrado.

1. **Coloque el soporte suministrado ① dentro del tablero.**
2. **Doble los ganchos hacia fuera para engancharla firmemente.**
3. **Monte la unidad en el soporte suministrado ①.**

7-B Montaje de la unidad en un automóvil japonés

Es posible que no pueda instalar esta unidad en algunos automóviles japoneses. En tal caso, consulte a su distribuidor Sony.

Cuando monte la unidad en los soportes preinstalados de su automóvil, utilice los tornillos suministrados ⑤ en los orificios para tornillos correspondientes en función de su automóvil: La T indica TOYOTA; la M, MITSUBISHI; y la N, NISSAN.



Notas

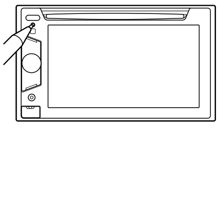
- *Para evitar que se produzcan fallas de funcionamiento, realice la instalación solamente con los tornillos suministrados ⑤.*
- *No ejerza excesiva fuerza sobre los botones de la unidad.*
- *No presione la pantalla LCD.*
- *Asegúrese de que no hay ningún objeto encima de la unidad antes de montarla.*

Advertencia: si el encendido del automóvil no dispone de una posición ACC

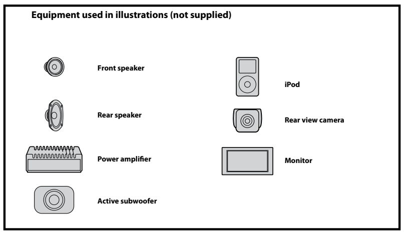
Asegúrese de ajustar la función de desconexión automática. Para obtener más información, consulte el "Manual de instrucciones" suministrado.
La unidad se apagará completa y automáticamente en el tiempo establecido si no se selecciona ninguna fuente, lo cual evita que se desgaste la batería.
Si no ha ajustado la función de desconexión automática, mantenga presionado (SOURCE/OFF) cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

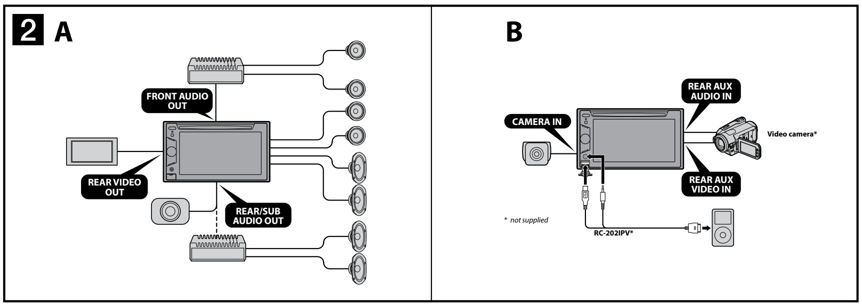
Botón de reinicio

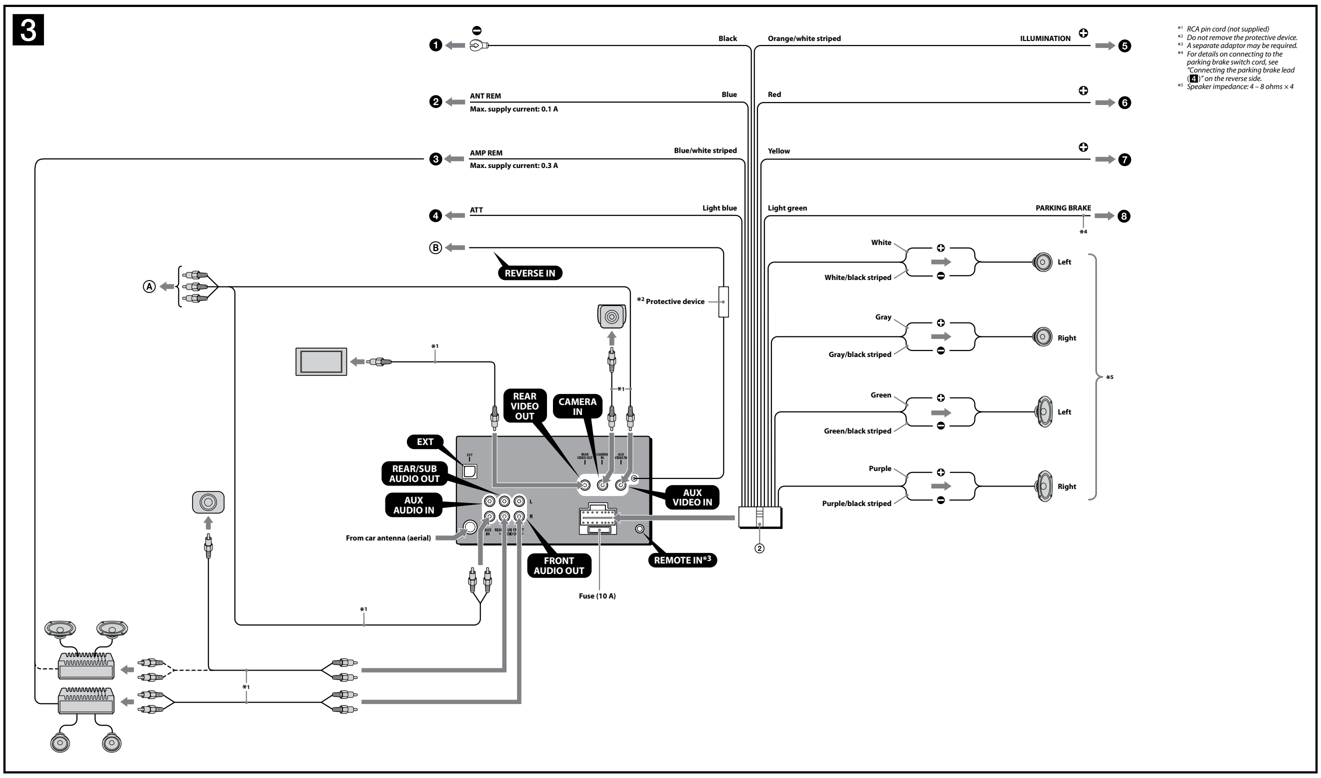
Una vez finalizadas la instalación y las conexiones, asegúrese de presionar el botón de reinicio con un bolígrafo, etc.



(XAV-622: E (PAL) and Saudi Arabia models)







Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not disassemble or modify the unit.
- Do not install in locations which interfere with airbag operation.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- Do not press on the LCD when installing the unit.

Notes on the power supply lead (yellow)
- When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.
- If no car circuits are rated high enough, connect the unit directly to the battery.

Connection example 2

***Notes* (2-A)**
- *Be sure to connect the ground (earth) lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Note* (2-B)**
You cannot use multiple auxiliary devices simultaneously, even if they are connected to different terminals.

Connection diagram 3

❶ **To a common ground (earth) point**
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.

❷ **To the power antenna (aerial) control lead or the power supply lead of the antenna (aerial) booster**
Notes
- *It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).*
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❸ **To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ **To the interface cable of a car telephone**

❺ **To a car's illumination signal**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❻ **To the +12 V power terminal which is energized when the ignition switch is set to the accessory position**
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.*
  Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."*

❼ **To the +12 V power terminal which is energized at all times**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.

❽ **To the parking brake switch cord**

Ⓐ **To an auxiliary device such as a portable media player, game console, etc. (not supplied)**
Tip
You can use an RCA cord (not supplied) to connect auxiliary devices.

Ⓑ **To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)**

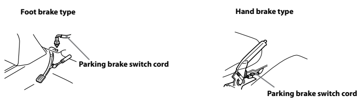
Notes on the control and power supply leads
- *The power antenna (aerial) control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, connect the power antenna (aerial) control lead (blue) or the accessory power supply lead (red) to the power terminal of the antenna (aerial) booster. For details, consult your car dealer.*
- *A power antenna (aerial) without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

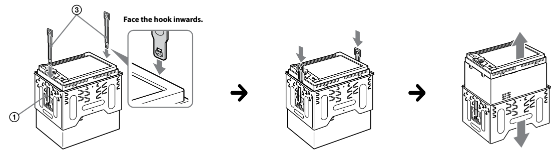
Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.*
- *Do not connect the ground (earth) lead of this unit to the negative (–) terminal of a speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if they feature a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Notes on connection
- *If "Output connection failure." appears in the display, make sure the speaker and amplifier are connected correctly.*
- *To use the monitor for the rear seats, connect the parking brake switch cord to the ground (earth).*

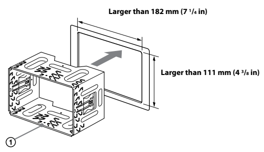
4



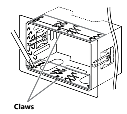
5



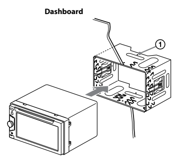
6 A 1



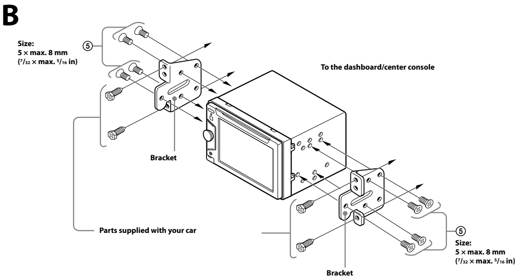
2



3



B



Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Connecting the parking brake lead 4

Be sure to connect the parking brake lead (light green) of the power supply connection cable ② to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Consult your car dealer or your nearest Sony dealer for further details.

Removing the bracket 5

Before installing the unit, remove the bracket ① from the unit.

1. **Insert both release keys ③ together between the unit and the bracket ① until they click.**
2. **Pull down the bracket ①, then pull up the unit to separate them.**

Mounting the unit 6

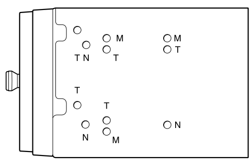
6-A Mounting the unit with the supplied bracket

1. **Position the supplied bracket ① inside the dashboard.**
2. **Bend the claws outward for a tight fit.**
3. **Mount the unit onto the supplied bracket ①.**

6-B Mounting the unit in a Japanese car

You may be able to install this unit in some makes of Japanese cars without the supplied bracket. If you cannot, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the supplied screws ⑤ in the appropriate screw holes, based on your car: T for TOYOTA, M for MITSUBISHI and N for NISSAN.



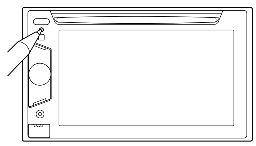
Notes
- *To avoid a malfunction, install only with the supplied screws ⑤.*
- *Do not apply excessive force to the buttons of the unit.*
- *Do not press on the LCD.*
- *Before mounting, make sure there is nothing on the top of the unit.*

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, refer to the supplied "Operating Instructions."
The unit will shut off completely and automatically in the set time when no source is selected, which prevents battery drainage.
If you do not set the Auto Off function, press and hold (SOURCE/OFF) until the display disappears each time you turn the ignition off.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.



(XAV-E62BT/E622)

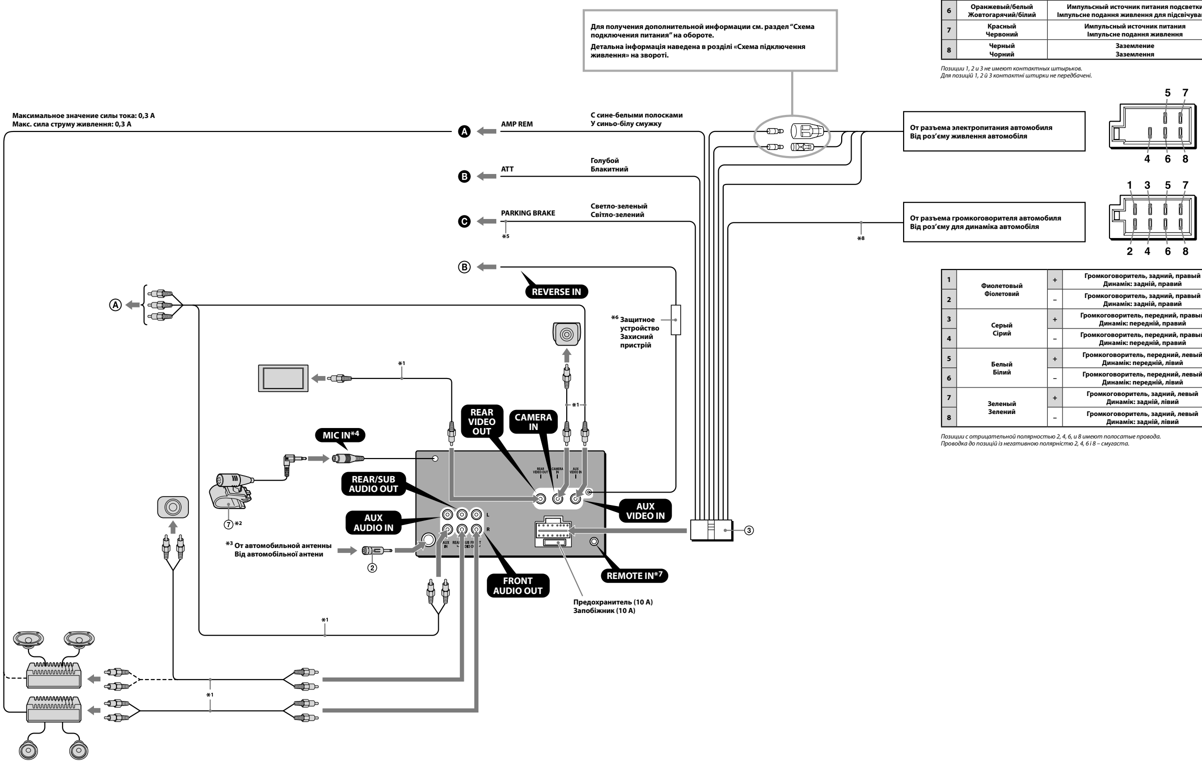
3

*1 Кабель с контактом RCA (не прилагается)
*2 Микрофон прилагается только с моделями XAV-E62BT. Для получения дополнительной информации об установке микрофона см. "Установка микрофона (только для модели XAV-E62BT) 5" на обратной стороне.
*3 Примечание о подсоединении антенны
Если антенна, установленная в автомобиле, соответствует типу ISO (Международной организации по стандартизации), используйте для ее подсоединения прилагаемый адаптер ②. Сначала подсоедините автомобильную антенну к прилагаемому адаптеру, затем присоедините адаптер ② к гнезду антенны устройства.
*4 Входной кабель микрофона доступен только для модели XAV-E62BT. Независимо от того, собираетесь ли вы использовать кабель входа микрофона или нет, проложите его так, чтобы он не мешал водителю. Если кабели прокладываются вокруг ног, закрепите кабели зажимами.
*5 Для получения дополнительных сведений по подключению к кабелю переключателя стояночного тормоза см. раздел "Подключение кабеля стояночного тормоза (4)" на обратной стороне.
*6 Не отсоединяйте защитное устройство.
*7 Может потребоваться особый адаптер.
*8 Полное сопротивление громкоговорителей: 4 – 8 Ом × 4

*1 Шнур із контактами RCA (не постачається).
*2 Мікрофон постачається лише з моделлю XAV-E62BT. Щоб дізнатися докладніше про встановлення мікрофона, див. розділ «Установлення мікрофона (лише для XAV-E62BT) 5» на зворотній стороні.
*3 Примітка до підключення радіоантени
Якщо автомобільна антена (ефірна) відповідає типу ISO (Міжнародна організація зі стандартизації), для її підключення використовуйте адаптер ②, що постачається. Спочатку підключіть автомобільну антену (ефірну) до адаптера, що постачається, а потім підключіть адаптер ② її до гнізда антени (ефірної) у пристрої.
*4 Вхідний шнур мікрофона надається лише для моделі XAV-E62BT. Незалежно від того, чи буде використовуватися кабель входу мікрофона, прокладіть його так, щоб він не заважав водієві. Якщо кабелі прокладаються навколо ніг, закріпіть кабелі затискачами.
*5 Щоб дізнатися докладніше про приєднання до шнура перемикача стоянкового гальма, див. «Приєднання шнура перемикача стоянкового гальма (4)» на звороті.
*6 Не від'єднуйте захисний пристрій.
*7 Може знадобитися окремий адаптер.
*8 Повний опір динаміків: 4—8 Ом × 4

4	Желтый Жовтий	Постоянная подача питания Постійне подання живлення
5	Синий Синій	Управление антенной с электрическим приводом Керування антеною з електроприводом
6	Оранжевый/белый Жовтогарячий/білий	Импульсный источник питания подсветки Імпульсне подання живлення для підсвічування
7	Красный Червоний	Импульсный источник питания Імпульсне подання живлення
8	Черный Чорний	Заземление Заземлення

Позиции 1, 2 и 3 не имеют контактных штырьков.
Для позицій 1, 2 й 3 контактні штирки не передбачені.



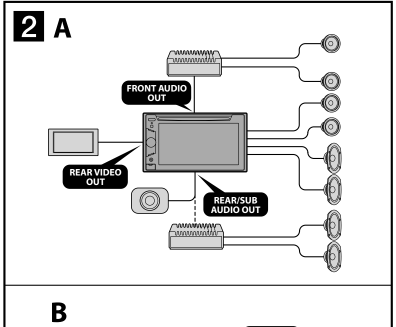
1	Фиолетовый Фіолетовий	+	Громкоговоритель, задний, правый Динамік: задній, правий
2		–	Громкоговоритель, задний, правый Динамік: задній, правий
3	Серый Сірий	+	Громкоговоритель, передний, правый Динамік: передній, правий
4		–	Громкоговоритель, передний, правый Динамік: передній, правий
5	Белый Білий	+	Громкоговоритель, передний, левый Динамік: передній, лівий
6		–	Громкоговоритель, передний, левый Динамік: передній, лівий
7	Зеленый Зелений	+	Громкоговоритель, задний, левый Динамік: задній, лівий
8		–	Громкоговоритель, задний, левый Динамік: задній, лівий

Позиции с отрицательной полярностью 2, 4, 6, и 8 имеют полосатые провода.
Проводка до позицій із негативною полярністю 2, 4, 6 і 8 – смугаста.

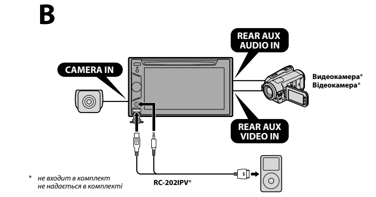
Оборудование, фигурирующее на иллюстрациях (не прилагается)
Обладнання, зображене на малюнках (не постачається)



2 A



B



* не входит в комплект
не надається в комплекті

Внимание

- **Подведите все провода заземления к одной точке заземления.**
- Данное устройство предназначено только для работы с источниками питания постоянного тока 12 В с отрицательным заземлением.
- Не разбирайте устройство и не вносите в него изменений.
- Не устанавливайте устройство в места, где оно будет препятствовать срабатыванию воздушной подушки.
- Не допускайте попадания проводов под винты или между подвижными деталями (например, между направляющими сидений).
- Перед выполнением соединения выключите зажигание автомобиля во избежание короткого замыкания.
- Подключите соединительный кабель питания ③ к устройству и громкоговорителям до подключения его к дополнительному разъему питания.
- В целях безопасности обязательно изолируйте все свободные неподсоединенные провода изоляционной лентой.
- При установке устройства не надавливайте на ЖК-дисплей.

Примечания относительно провода питания (желтого)

- При подсоединении устройства вместе с другими стереокомпонентами номинальное значение силы тока в электрической цепи автомобиля, к которой подключается устройство, должна быть выше, чем суммарное значение номинальной силы тока предохранителей всех компонентов.
- Если номинальное значение силы тока в электрической цепи автомобиля недостаточно высокое, подсоедините устройство напрямую к аккумулятору.

Пример подключения 2

***Примечания* (2-A)**
- *Прежде чем подключать устройство к усилителю, обязательно подсоедините провод заземления.*
- *Звуковой сигнал будет воспроизводиться только в том случае, если используется встроенный усилитель.*

***Примечание* (2-B)**
Даже если несколько дополнительных устройств подсоединено к различным разъемам, их невозможно использовать одновременно.

Схема подключения 3

A К входу AMP REMOTE IN дополнительного усилителя мощности
Этот вариант подключения используется только для усилителей. Подключение любой другой системы может привести к повреждению устройства.

B К интерфейсному кабелю автомобильного телефона

C К кабелю переключателя стояночного тормоза

Ⓐ К дополнительному устройству, такому как переносной медиаплеер, игровая консоль и т.п. (не прилагается)
Совет
Для подключения дополнительных устройств можно использовать кабель с разъемом RCA (не прилагается).

Ⓑ К разъему питания + 12 В провода заднего фонаря автомобиля (только при подключении камеры заднего вида)

Внимание

При использовании антенны с электрическим приводом без релейного блока подсоединение этого устройства посредством прилагаемого соединительного кабеля питания ③ может привести к повреждению антенны.

О проводах управления и питания
- *При включении тюнера, а также использовании функции AF (Альтернативные частоты) или TA (Сообщения о текущей ситуации на дорогах) по проводу управления антенны с электрическим проводом (синему) подается напряжение +12 В постоянного тока.*
- *Если на заднем/боковом стекле автомобиля установлена встроенная антенна диапазона FM/MW/LW, подсоедините провод управления антенной с электрическим приводом (синий) или провод питания дополнительных устройств (красный) к разъему усилителя антенны. Чтобы получить дополнительные сведения, обратитесь к своему автодилеру.*
- *Антенна с электрическим приводом, не снабженная релейным блоком, с этим устройством использоваться не может.*

Подключение для поддержки памяти
Когда к устройству подсоединен желтый электрический провод, блок памяти будет постоянно получать питание даже при выключенном зажигании.

Примечания относительно подключения громкоговорителей
- *Прежде чем подключать громкоговорители, выключите устройство.*
- *Во избежание повреждений используйте громкоговорители с полным сопротивлением 4 - 8 Ом, способные принимать достаточно мощный сигнал.*
- *Не подсоединяйте разъемы громкоговорителя к корпусу автомобиля и не соединяйте разъемы правых громкоговорителей с разъемами левых громкоговорителей.*
- *Не подключайте провод заземления устройства к отрицательному (–) разъему громкоговорителя.*
- *Не пытайтесь подсоединить громкоговорители параллельно.*
- *Подключать можно только пассивные громкоговорители. Подключение активных громкоговорителей (со встроенным усилителем) к гнездам для громкоговорителей может привести к повреждению устройства.*
- *Во избежание неправильной работы устройства не используйте встроенные в автомобиль провода громкоговорителей, если имеется общий отрицательный провод (–) для правого и левого громкоговорителей.*
- *Не подсоединяйте друг к другу провода громокоговорителей устройства.*

Примечания относительно подключения
- *Если на дисплее появилась надпись "Выходное соединение неисправно", проверьте правильность подсоединения громкоговорителя и усилителя.*
- *Если используется монитор для задних сидений, подсоедините кабель переключателя стояночного тормоза к заземлению.*

Увага!

- **Підключіть всі заземлені кабелі до однієї точки заземлення.**
- Цей пристрій розроблено лише для роботи із від джерела живлення постійного струму з напругою 12 В і негативним заземленням.
- Ніколи не розбирайте пристрій та не змінюйте його конструкції.
- Не встановлюйте пристрій у місцях, де він заважатиме розкриттю повітряної подушки.
- Уникайте потрапляння дротів під гвинти або між рухомими деталями обладнання (наприклад, між напрямними сидінь).
- Перед виконанням підключень вимкніть запалення автомобіля, щоб запобігти короткому замиканню.
- Підключіть кабель живлення ③ до пристрою та динаміків перед його підключенням до додаткового роз'єму живлення.
- Переконайтеся в тому, що будь-які непідключені кабелі ізольовано відповідною ізолюючою стрічкою для забезпечення безпеки.
- Не натискайте на РК-дисплей під час встановлення пристрою.

Примітки щодо кабелю підключення живлення (жовтий)

- За підключення пристрою разом з іншими стереокомпонентами сила струму в контурі автомобіля, до якого під'єднано пристрій, має бути вищою за суму значень сили струму, вказаної на плавких запобіжниках кожного компонента.
- Якщо сила струму в контурі автомобіля недостатньо висока, підключіть пристрій безпосередньо до акумулятора.

Приклад підключення 2

***Примітка* (2-A)**
- *Перед підключенням підсилювача переконайтеся, що підключено кабель заземлення.*
- *Сигнал сповіщення спрацює, лише якщо використовується вбудований підсилювач.*

***Примітка* (2-B)**
Неможливо використовувати відразу кілька додаткових пристроїв, навіть якщо вони приєднані до різних роз'ємів.

Схема підключення 3

A До входу AMP REMOTE IN додаткового підсилювача потужності
Це підключення використовується лише для підсилювачів. Підключення будь-якої іншої системи може пошкодити пристрій.

B До інтерфейсного кабелю телефону в автомобілі

C До шнура перемикача стоянкового гальма

Ⓐ До додаткового обладнання на кшталт портативного мультимедійного програвача, ігрової приставки тощо (не постачається)
Порада
Під'єднувати додаткове обладнання можна шнуром RCA (не постачається).

Ⓑ До терміналу +12 В виводу задньої лампи автомобіля (тільки у випадку приєднання камери заднього огляду)

Увага!

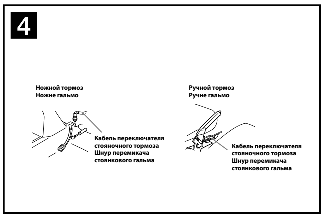
Якщо антена (ефірна) з електроприводом не має релейної стійки, підключення цього пристрою за допомогою кабелю живлення ③, що постачається, може пошкодити антену (ефірну).

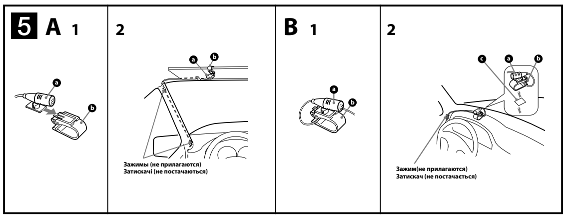
Примітка щодо кабелю керування та кабелю постачання живлення
- *Кабель керування антеною з електроприводом (синій) постачає +12 В постійної напруги за ввімкнення тюнера або під час активації функції AF (альтернативна частота) або TA (повідомлення про ситуацію на дорогах).*
- *Якщо автомобіль оснащено вбудованою антеною FM/MW/LW (ефірною) на задньому/боковому склі, підключіть дріт керування антеною (ефірною) з електроприводом (синій) або дріт живлення обладнання (червоний) до терміналу живлення підсилювача антени (ефірної). Аби отримати детальну інформацію, зверніться до автомобільного дилера.*
- *Антену з електроприводом без релейної стійки не можна використовувати з цим пристроєм.*

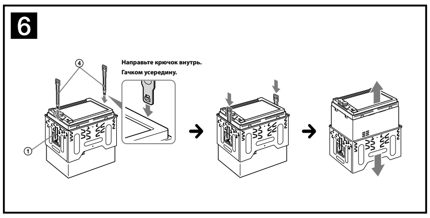
Підключення запам'ятовуючої системи
Якщо підключено жовтий кабель постачання живлення, живлення завжди постачатиметься до запам'ятовуючої схеми навіть за вимкненого запалення.

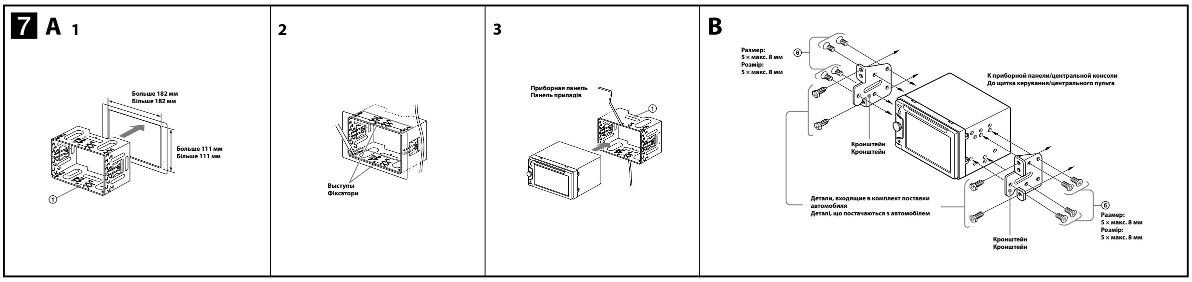
Примітка щодо підключення динаміків
- *Перед підключенням динаміків вимкніть пристрій.*
- *Використовуйте динаміки з повним опором від 4 до 8 Ом і з відповідною припустимою вхідною потужністю, щоб уникнути їх пошкодження.*
- *Не замикайте термінали динаміків на корпус автомобіля, та не з'єднуйте термінали правого й лівого динаміків між собою.*
- *Не підключайте дріт заземлення пристрою до негативних (–) терміналів динаміків.*
- *Не намагайтеся підключити динаміки паралельно.*
- *Підключайте лише пасивні динаміки. Підключення активних динаміків (із вбудованим підсилювачем) до рознімів для динаміків може пошкодити пристрій.*
- *Щоб уникнути несправної роботи обладнання, не використовуйте вбудовані кабелі динаміків, встановлені в автомобілі, які мають спільний негативний (–) дріт для правого та лівого динаміків.*
- *Не підключайте кабелі динаміків пристрою один до одного.*

Примітка щодо підключення
- *Якщо на дисплеї відобразиться повідомлення «Выходное соединение неисправно», переконайтеся в тому, що динамік і підсилювач під'єднані належним чином.*
- *Якщо використовуватиметься монітор для задніх сидінь, приєднайте шнур перемикача стоянкового гальма до заземлення.*









Меры предосторожности

- Место для установки устройства выбирайте тщательно, чтобы оно не мешало управлению автомобилем.
- Не устанавливайте устройство там, где оно будет подвержено воздействию пыли, грязи, чрезмерной вибрации или высоких температур, например в местах, попадающих под прямые солнечные лучи или находящихся вблизи вентиляционных решеток обогревателей.
- В целях обеспечения надежной и безопасной установки используйте лишь входящие в комплект монтажные детали.

Допустимый угол установки

Установите устройство под углом не более 45°.

Подключение кабеля стояночного тормоза 4

Обязательно подсоедините провод стояночного тормоза (светло-зеленый) на соединительном кабеле питания ③ к кабелю переключателя стояночного тормоза. В разных автомобилях кабель переключателя стояночного тормоза может находиться в разных местах. Для получения дополнительных сведений обратитесь к своему автодилеру или ближайшему дилеру Sony.

Установка микрофона (только для модели XAV-E62BT) 5

Для общения в режиме громкой связи необходимо установить микрофон ⑦.

Внимание!
- Не подвергайте микрофон воздействию высоких температур и влажности.
- Чрезвычайную опасность представляет закручивание шнура вокруг колонки рулевого управления или рычага переключения передач. Не допускайте того, чтобы шнур или другие компоненты препятствовали управлению автомобилем.
- Если автомобиль оснащен надувными оболочками или другим амортизационным оборудованием, перед установкой обратитесь к дилеру Sony, у которого было приобретено изделие, или представителю корпорации Sony по обслуживанию в вашем регионе.

5-A Установка на противосолнечный козырек

1. **Установите микрофон ⓐ на зажим ⓑ.**
2. **Установите зажим ⓑ на противосолнечный козырек.**
3. **Установите зажимы (не прилагаются) и отрегулируйте длину и положение кабеля таким образом, чтобы он не мешал при управлении.**

5-B Установка на приборную панель

1. **Установите микрофон ⓐ на зажим ⓑ, затем расположите шнур в канавке зажима ⓑ.**
2. **Закрепите зажим ⓑ на приборной панели с помощью двусторонней ленты ⓒ.**
3. **Установите зажим (не прилагается) и отрегулируйте длину и положение кабеля таким образом, чтобы он не мешал при управлении.**

Примечание
- *Перед нанесением двусторонней клейкой ленты ⓒ очистите поверхность приборной панели сухой тканью.*
- *Установите микрофон под правильным углом.*
- *Микрофон ⓐ можно установить без использования зажима ⓑ. В этом случае присоедините микрофон непосредственно к приборной панели с помощью двусторонней клейкой ленты ⓒ. Сохраните неиспользуемый зажим ⓑ для дальнейшей эксплуатации.*

Отсоединение кронштейна 6

Прежде чем устанавливать устройство, отсоедините кронштейн ① от устройства.

1. **Вставьте одновременно до щелчка оба ключа для демонтажа ④ между устройством и кронштейном ①.**
2. **Чтобы отделить устройство от кронштейна, потяните кронштейн ① вниз, а устройство вверх.**

Установка устройства 7

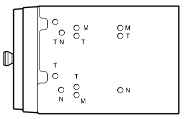
7-A Установка устройства с помощью прилагаемого кронштейна

1. **Установите прилагаемый кронштейн ① в приборной панели.**
2. **Отогните зажимы наружу для надежной фиксации.**
3. **Установите устройство в прилагаемый кронштейн ①.**

7-B Установка устройства в японском автомобиле

В некоторых моделях японских автомобилей это устройство можно установить без использования прилагаемого кронштейна. Если вам не удается это сделать, обратитесь за консультацией к дилеру Sony.

При монтаже данного устройства в кронштейны, предварительно установленные в автомобиле, используйте прилагаемые винты ⑥ в соответствующих отверстиях в зависимости от марки вашего автомобиля: T для автомобиля TOYOTA, M для автомобиля MITSUBISHI и N для автомобиля NISSAN.



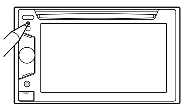
Примечания
- *Для предотвращения сбоев в работе устройства устанавливайте его только с использованием прилагаемых винтов ⑥.*
- *Не прикладывайте чрезмерных усилий к кнопкам устройства.*
- *Не надавливайте на ЖК-дисплей.*
- *Прежде чем выполнять установку, убедитесь в том, что на верхней части устройства нет посторонних предметов.*

Внимание. Если в замке зажигания нет положения ACC

Задайте функцию автоматического выключения. Для получения дополнительной информации см. прилагаемую “Инструкцию по эксплуатации”. Если источник питания не выбран, устройство будет автоматически отключено через установленное время, что предотвращает разрядку аккумулятора. Если функция автоматического выключения не задана, то при каждом выключении зажигания нажмите и удерживайте кнопку (SOURCE/OFF) до тех пор, пока дисплей не погаснет.

Кнопка Сброс

После завершения установки и выполнения подключений обязательно нажмите кнопку сброса с помощью заостренного предмета, например шариковой ручки и т.п.



Заходи безпеки

- Уважно виберіть місце для встановлення, щоб пристрій не перешкоджав нормальному керуванню автомобілем.
- Уникайте встановлення пристрою в місцях, що піддаються впливу пилу, бруду, надмірної вібрації або високої температури, наприклад у місцях, на які падає пряме сонячне проміння, або біля вентиляційних отворів обігрівача.
- Для безпечного та надійного встановлення використовуйте монтажне обладнання тільки з комплекту постачання.

Допустимий кут встановлення

Кут, під яким встановлено пристрій, не повинен перевищувати 45°.

Приєднання шнура перемикача стоянкового гальма 4

Обов’язково під’єднайте дріт стоянкового гальма (світло-зелений) кабелю живлення ③ до шнура перемикача стоянкового гальма. Знаходження шнура перемикача стоянкового гальма в автомобілі залежить від автомобіля.
Для отримання докладнішої інформації зверніться до свого автодилера або найближчого дилера Sony.

Установлення мікрофона (лише для XAV-E62BT) 5

Для фіксування голосу під час розмов у режимі handsfree потрібно встановити зовнішній мікрофон ⑦.

Попередження
- Зберігайте мікрофон у місцях, де він не зазнає впливу високої температури та вологості.
- Украй небезпечно, якщо шнур обмотається навколо кермової колонки або важеля переключення швидкості. Обов’язково стежте за тим, щоб він та інші предмети не перешкоджали керуванню автомобілем.
- Якщо в автомобілі є повітряні подушки або інше амортизаційне обладнання, перед встановленням зверніться в пункт продажу, де ви придбали цей пристрій, або до агента з продажу автомобіля.

5-A Установлення на сонцезахисному щитку

1. **Установіть мікрофон ⓐ на затискач ⓑ.**
2. **Установіть затискач ⓑ на сонцезахисний щиток.**
3. **Установіть затискачі (не постачаються) та відрегулюйте довжину й положення шнура, щоб він не заважав під час керування транспортним засобом.**

5-B Установлення на щитку управління

1. **Установіть мікрофон ⓐ на затискувачі ⓑ, а потім розмістіть шнур вздовж жолобка затискувача ⓑ.**
2. **Двобічною липкою стрічкою ⓑ приєднайте затискач ⓒ до панелі управління.**
3. **Установіть затискач (не постачається) та відрегулюйте довжину й положення шнура, щоб він не заважав під час керування транспортним засобом.**

Примітка
- *Перед приєднанням двосторонньої стрічки ⓒ очистьте поверхню щитка керування за допомогою сухої тканини.*
- *Відрегулюйте кут мікрофона, установивши його в потрібне положення.*
- *Можна встановити мікрофон ⓐ без використання затискача ⓑ.
У цьому випадку приєднайте мікрофон до щитка керування за допомогою двосторонньої стрічки ⓒ. Зберігайте невикористаний затискач ⓑ для майбутнього використання.*

Знімання кронштейна 6

Перед установленням пристрою зніміть з нього кронштейн ①.

1. **Вставте до клацання обидва ключі роз’єднання ④ між пристроєм і кронштейном ①.**
2. **Потягніть кронштейн, що постачається, ① униз, а пристрій вгору, щоб роз’єднати кронштейн і пристрій.**

Установлення пристрою 7

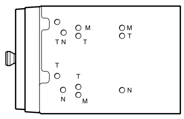
7-A Установлення пристрою з кронштейном, що входить до комплекту постачання

1. **Розташуйте кронштейн, що постачається ①, на приладовій панелі.**
2. **Вигніть фіксатори назовні, щоб забезпечити щільне припасовування.**
3. **Установіть пристрій на кронштейні, що постачається ①.**

7-B Установлення пристрою в японському автомобілі

У деяких марках японських автомобілів цей пристрій можна встановити без кронштейна з комплекту постачання. Якщо це зробити не вдається, зверніться до дилера компанії Sony.

Установлюючи цей пристрій на наявні в автомобілі кронштейни, використовуйте шурупи, що постачаються ⑥, які мають закручуватися в отвори у відповідності до марки автомобіля: T для TOYOTA, M для MITSUBISHI і N для NISSAN.



Примітка
- *Щоб запобігти помилкам у роботі, використовуйте лише шурупи з комплекту постачання ⑥.*
- *Натискаючи кнопки пристрою, не докладайте надмірних зусиль.*
- *Не тисніть на РК-дисплей.*
- *Перед установленням переконайтеся, що на пристрої немає жодних предметів.*

Увага. Якщо в замку запалювання автомобіля немає положення ACC

Обов’язково налаштуйте функцію автоматичного вимкнення (Auto Off). Додаткова інформація наведена в «Інструкції з експлуатації», що постачається.
Якщо жодне джерело сигналу не обране, живлення пристрою буде автоматично й повністю припинене в заданий час, аби попередити розрядження акумулятора.
Якщо функцію автоматичного вимкнення (Auto Off) не встановлено, під час кожного вимикання запалювання натискайте та утримуйте (SOURCE/OFF), доки не зникне зображення на дисплеї.

Кнопка перезавантаження

Виконавши встановлення й підключення, обов’язково натисніть кнопку перезавантаження кульковою ручкою тощо.

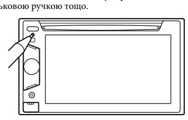
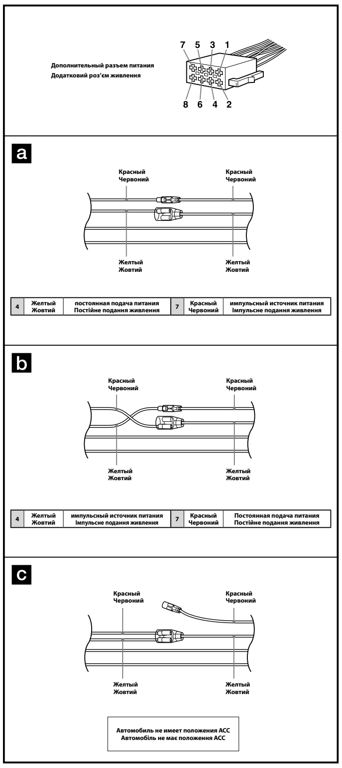


Схема подключения питания

В разных автомобилях могут использоваться разные дополнительные разъемы питания. Чтобы убедиться в правильности выполнения подключений, обратитесь к схеме разъема дополнительного питания автомобиля. Существуют три основных типа (как показано на рисунке ниже). Возможно, потребуется поменять местами красный и желтый провода соединительного кабеля питания ③ устройства. После правильного выполнения соединений и подключения проводов источника питания подсоедините устройство к электропитанию автомобиля. В случае возникновения вопросов и проблем, связанных с подключением устройства, которые не рассматриваются в настоящем руководстве, обратитесь к своему автодилеру.

Схема підключення живлення

Конструкція додаткового роз’єму живлення може залежати від марки автомобіля. Зверніться до схеми додаткового роз’єму живлення у своєму автомобілі, щоб впевнитися у правильності з’єднань. Існує три основні типи роз’ємів (зазначені нижче). Може знадобитися поміняти місцями червоний та жовтий дроти кабелю живлення ③ пристрою. Забезпечивши правильність підключення й розташування дротів кабелю живлення, підключіть пристрій до системи живлення автомобіля. У разі виникнення питань або проблем із під’єднанням пристрою, які не описані в цій інструкції, зверніться до автодилера.



SECTION 3
DISASSEMBLY

- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

SET

3-2. COVER (Page 17)

3-3. FRONT PANEL BLOCK (Page 18)

[Branches from 3-3:]

3-4. DVD MECHANISM DECK (MG-613XB-187) (Page 19)

3-5. DISP BOARD (Page 20)

[Branches from 3-4:]

3-6. BRACKET (FRONT) BLOCK (Page 20)

3-7. BRACKET (BACK) BLOCK (XAV-62BT/E62BT) (Page 21)
3-8. BRACKET (BACK) BLOCK (XAV-622: US, Canadian, AEP, UK, E (NTSC)/E622) (Page 21)
3-9. BRACKET (BACK) BLOCK (XAV-622: E (PAL), Saudi Arabia models) (Page 22)

[3-6 and 3-7 to 3-9 lead to:]

3-10. MAIN BOARD (Page 22)

[Also from 3-4:]

3-11. DVD MECHANISM BLOCK (Page 23)

[Branches from 3-11:]

3-12. SERVO BOARD (Page 23)

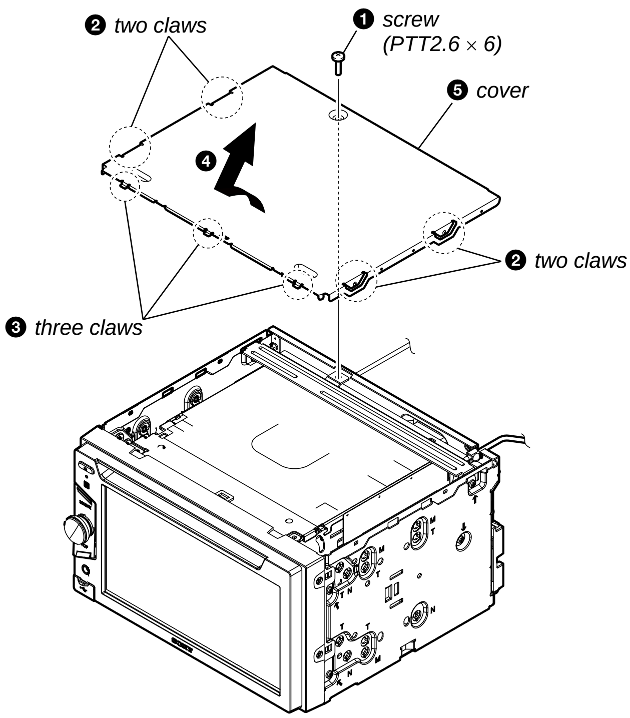
3-13. CHASSIS (T612Z) SUB ASSY, SENSOR BOARD (Page 24)

[From 3-13:]

3-14. CHASSIS (OP, ZA) COMPLETE ASSY (Page 24)

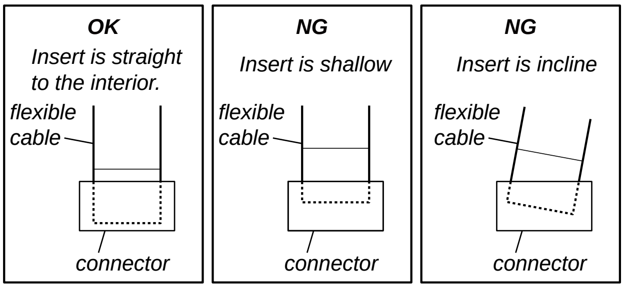
Note: Follow the disassembly procedure in the numerical order given.

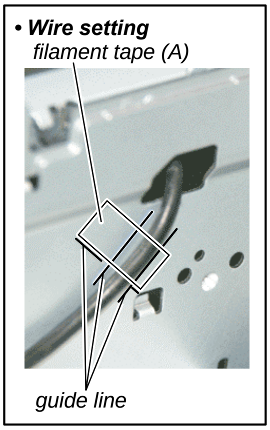
3-2. COVER

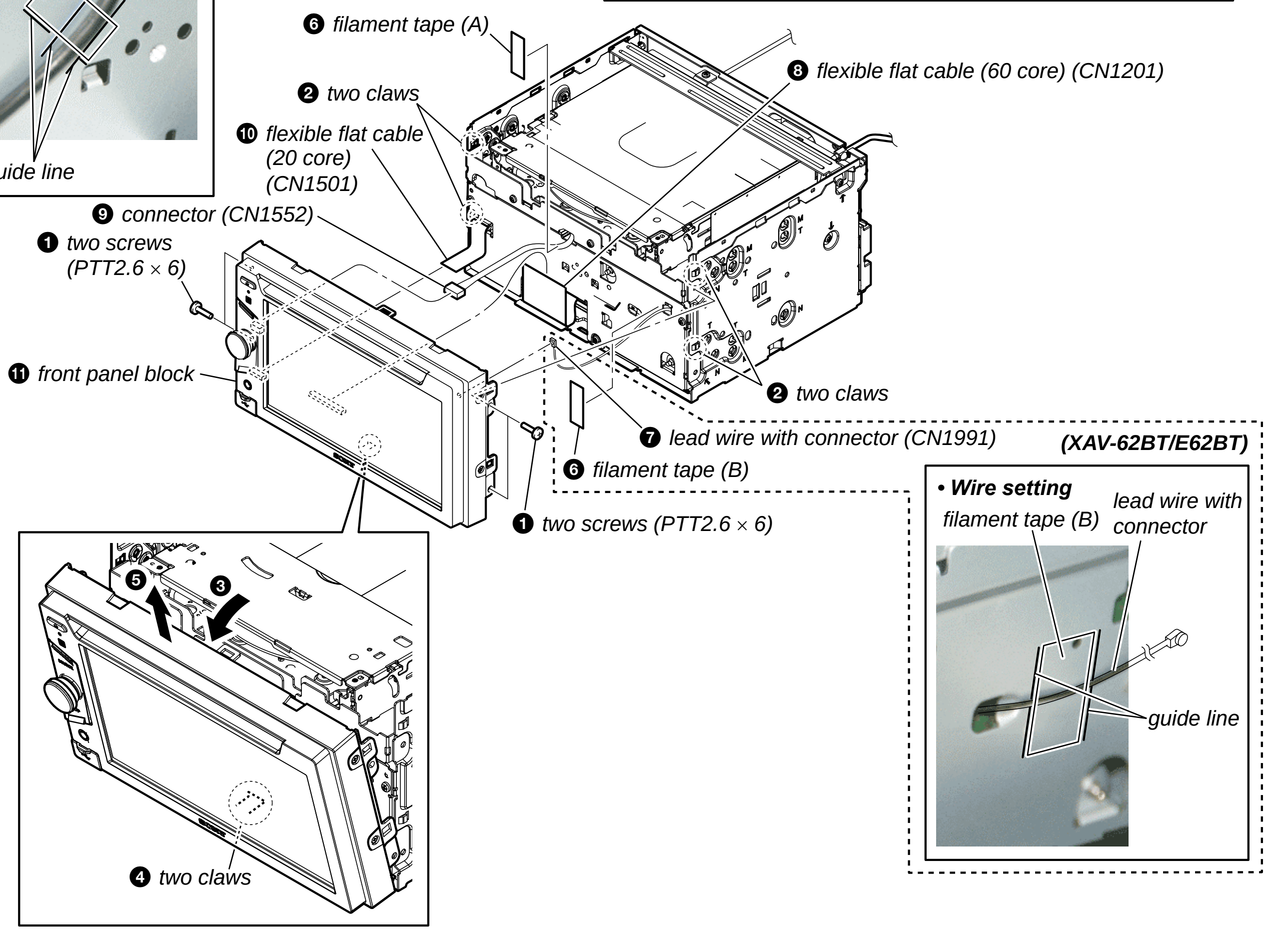


3-3. FRONT PANEL BLOCK

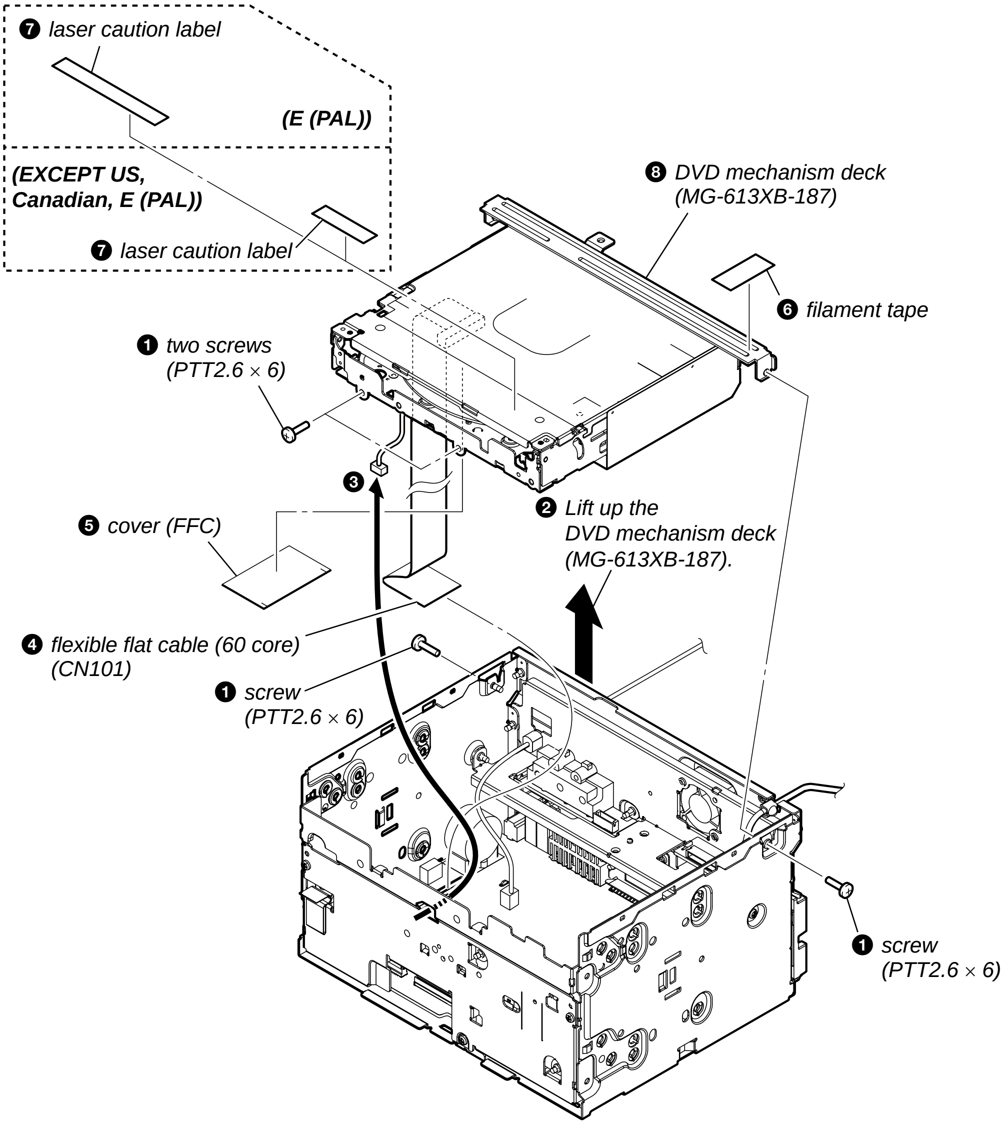
Note: When you install the flexible flat cable (60 core) and the flexible flat cable (20 core), please install them correctly. There is a possibility that this machine damages when not correctly installing it.



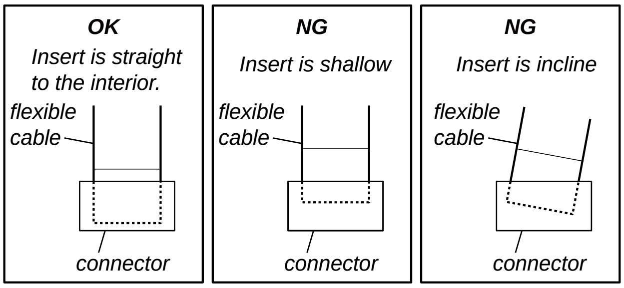




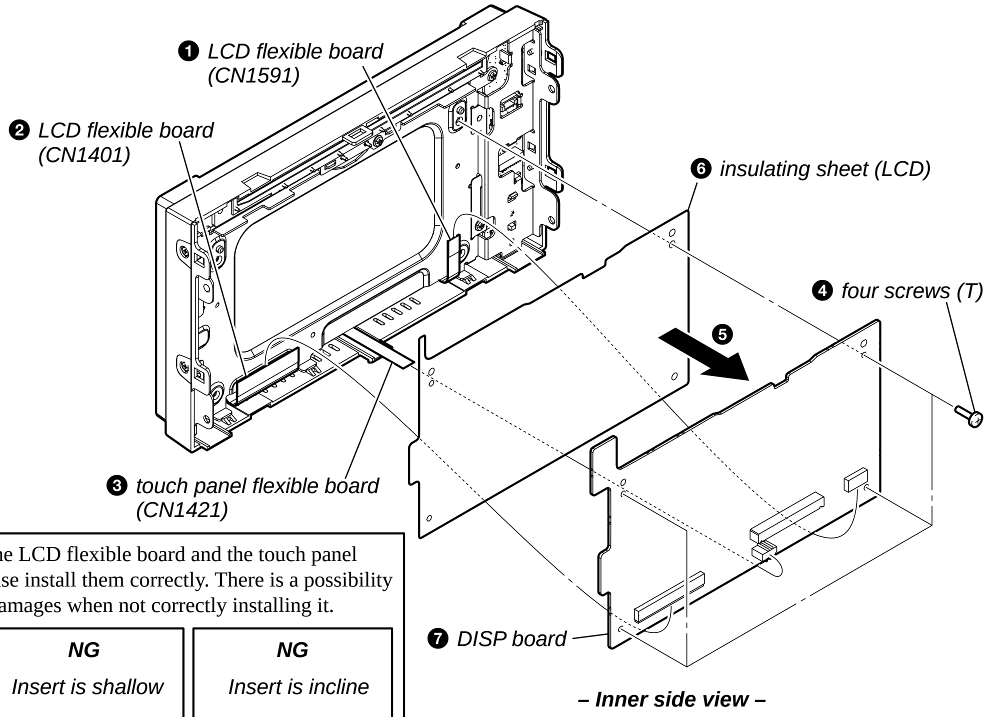
3-4. DVD MECHANISM DECK (MG-613XB-187)



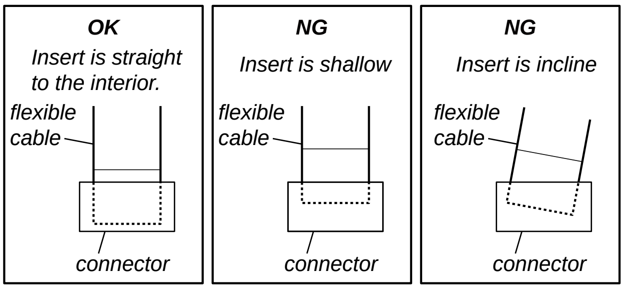
Note: When you install the flexible flat cable (60 core), please install it correctly. There is a possibility that this machine damages when not correctly installing it.



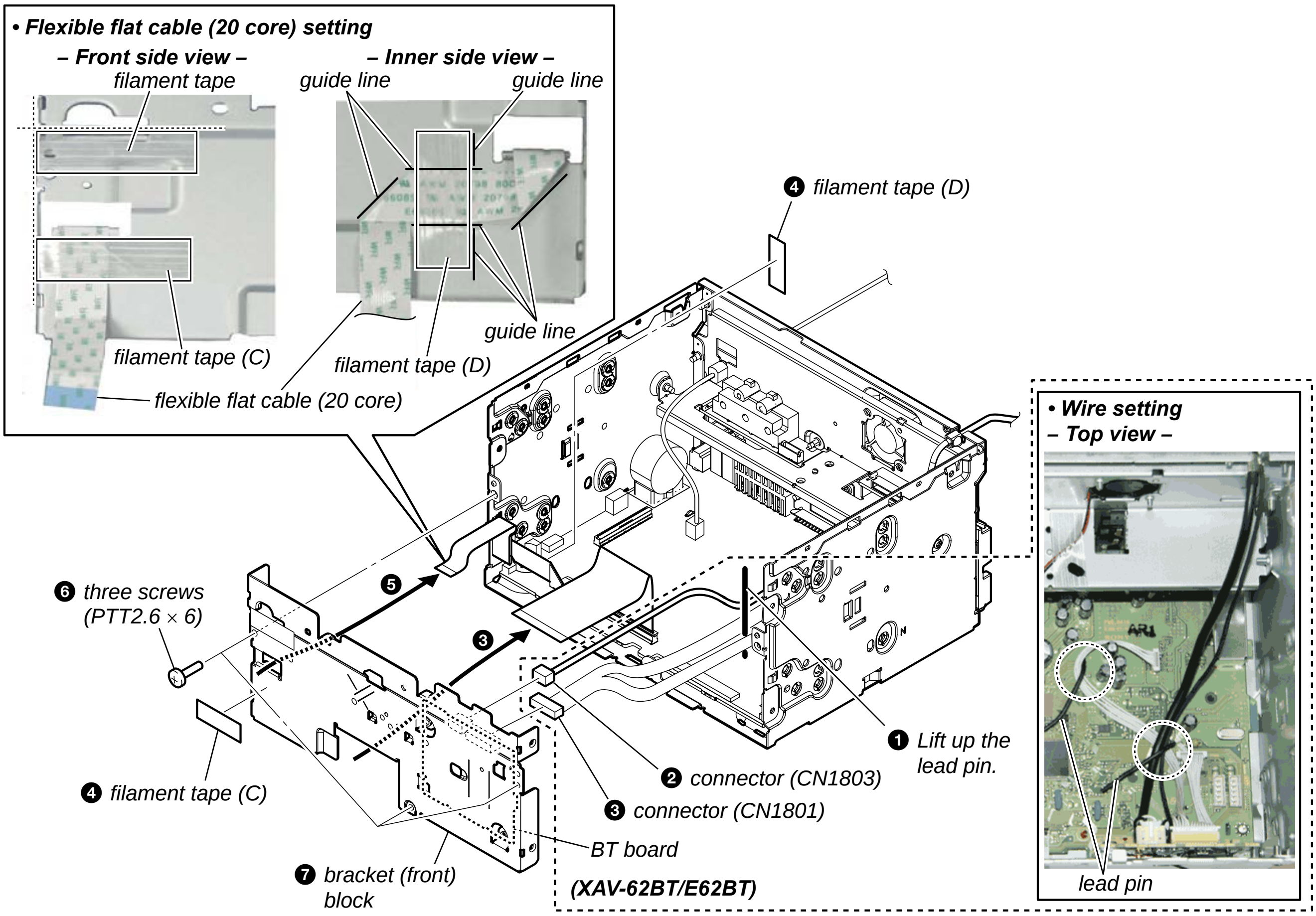
3-5. DISP BOARD



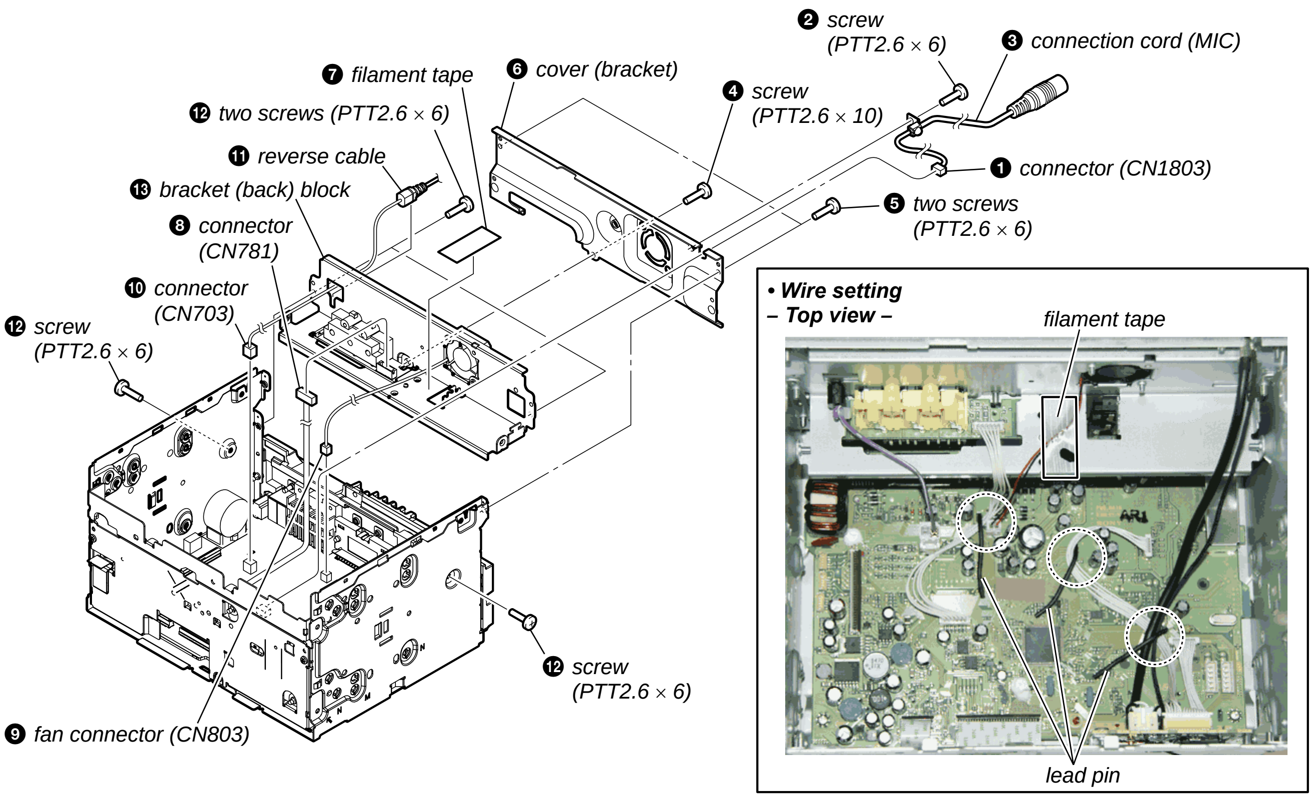
Note: When you install the LCD flexible board and the touch panel flexible board, please install them correctly. There is a possibility that this machine damages when not correctly installing it.



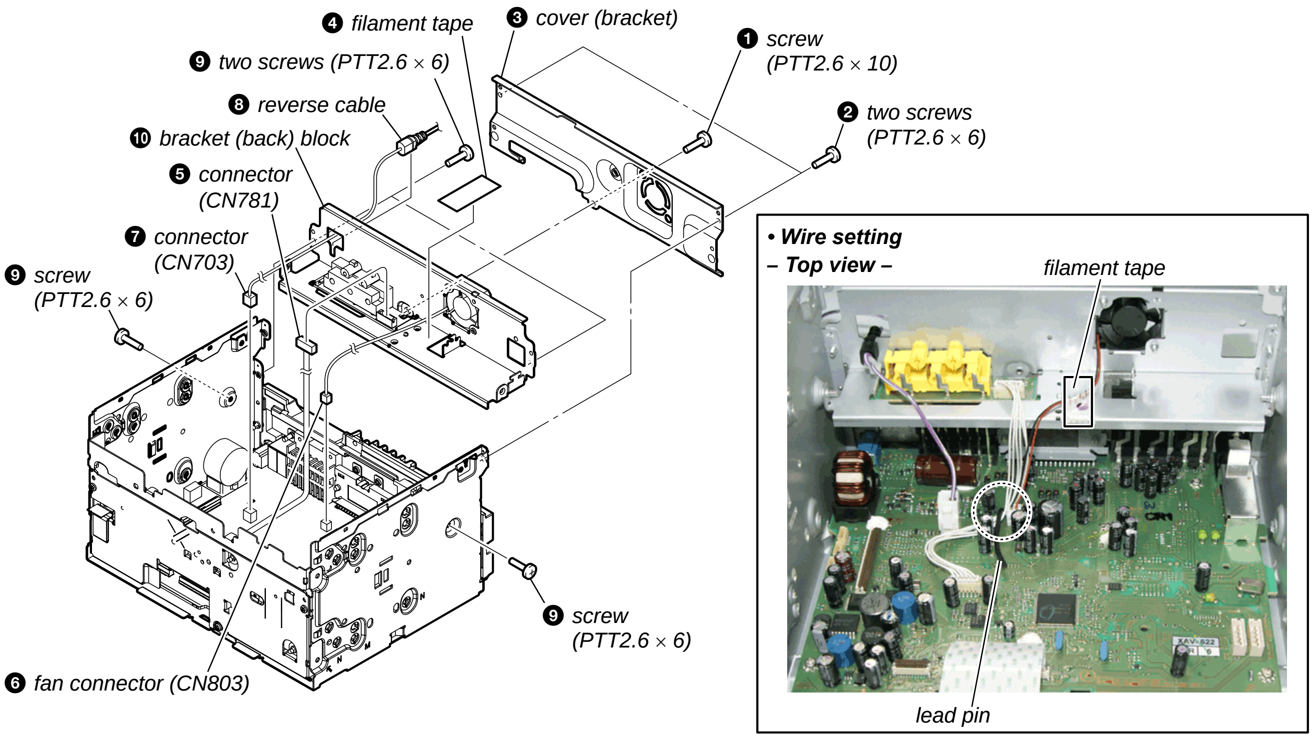
3-6. BRACKET (FRONT) BLOCK



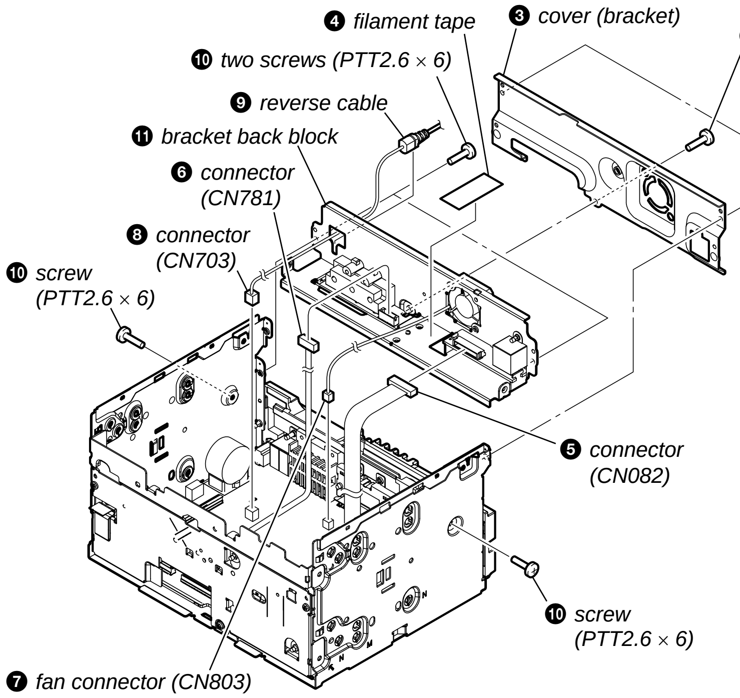
3-7. BRACKET (BACK) BLOCK (XAV-62BT/E62BT)



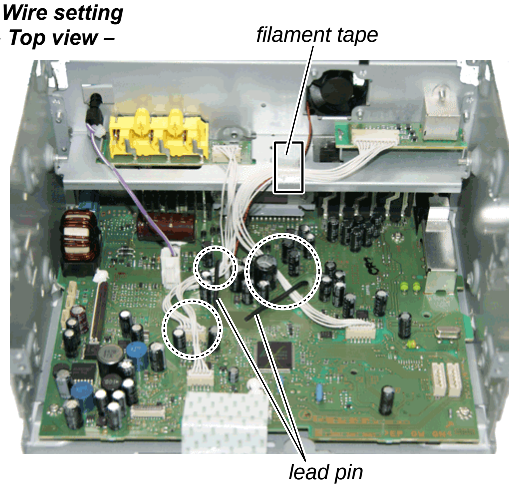
3-8. BRACKET (BACK) BLOCK (XAV-622: US, Canadian, AEP, UK, E (NTSC)/E622)



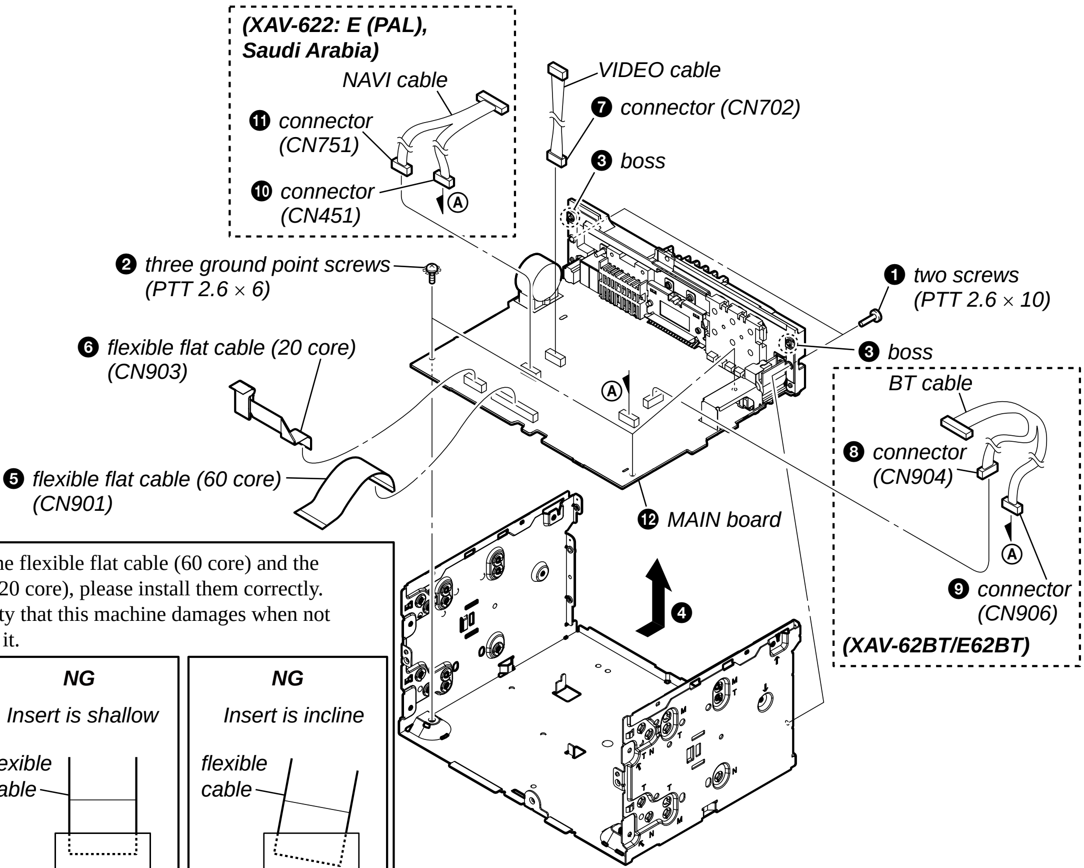
3-9. BRACKET (BACK) BLOCK (XAV-622: E (PAL), Saudi Arabia models)



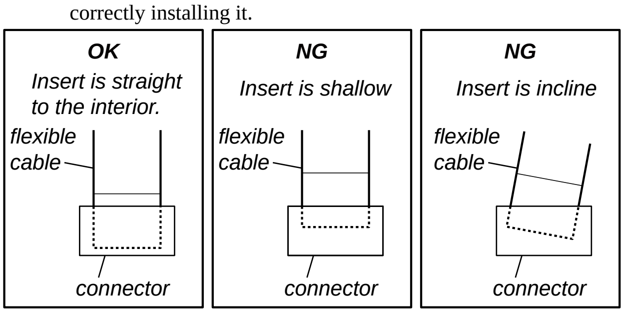
• **Wire setting**
– Top view –



3-10. MAIN BOARD

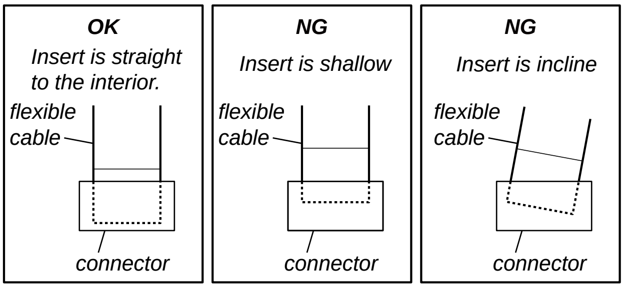


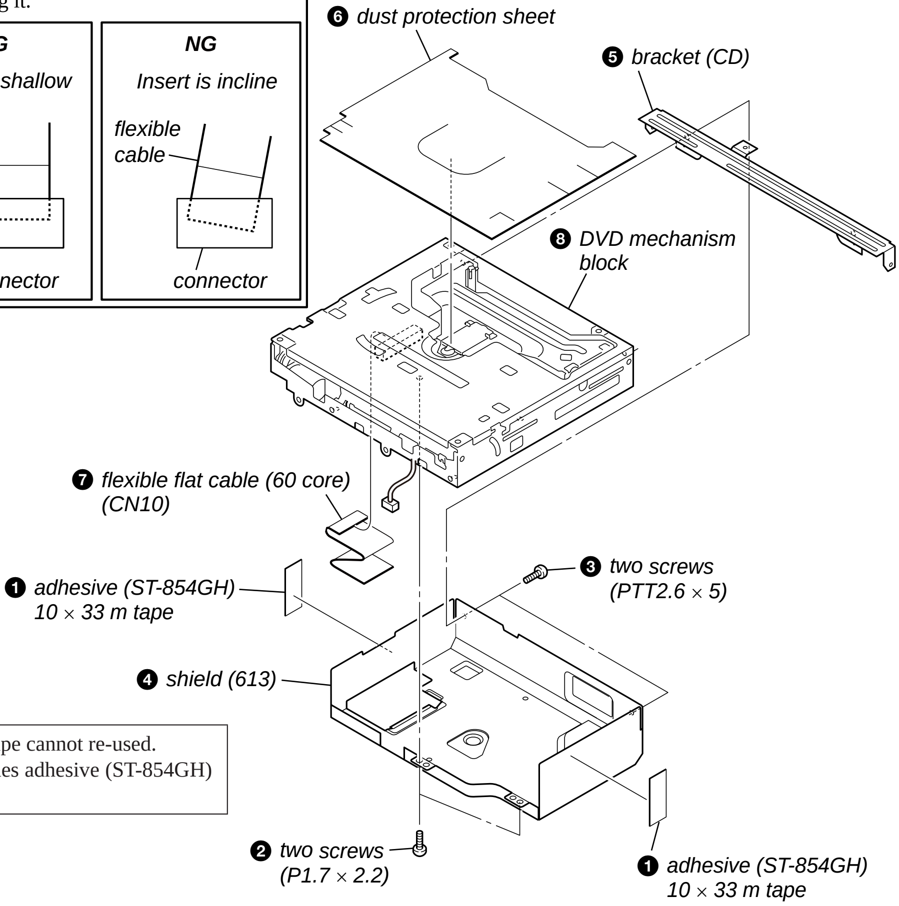
Note: When you install the flexible flat cable (60 core) and the flexible flat cable (20 core), please install them correctly. There is a possibility that this machine damages when not correctly installing it.



3-11. DVD MECHANISM BLOCK

Note 2: When you install the flexible flat cable (60 core), please install it correctly. There is a possibility that this machine damages when not correctly installing it.





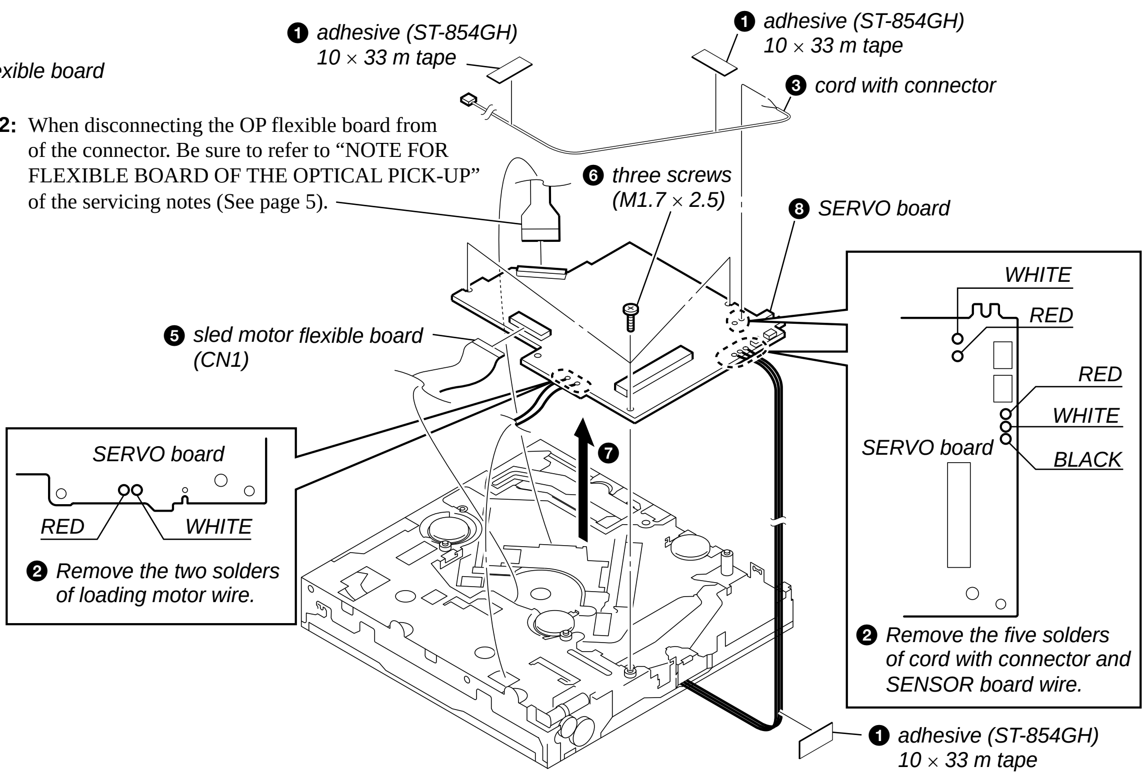
Note 1: Adhesive (ST-854GH) 10 × 33 m tape cannot re-used.
Please replace to brand-new part ones adhesive (ST-854GH) 10 × 33 m tape is removed.

3-12. SERVO BOARD

Note 1: Adhesive (ST-854GH) 10 × 33 m tape cannot re-used.
Please replace to brand-new part ones adhesive (ST-854GH) 10 × 33 m tape is removed.

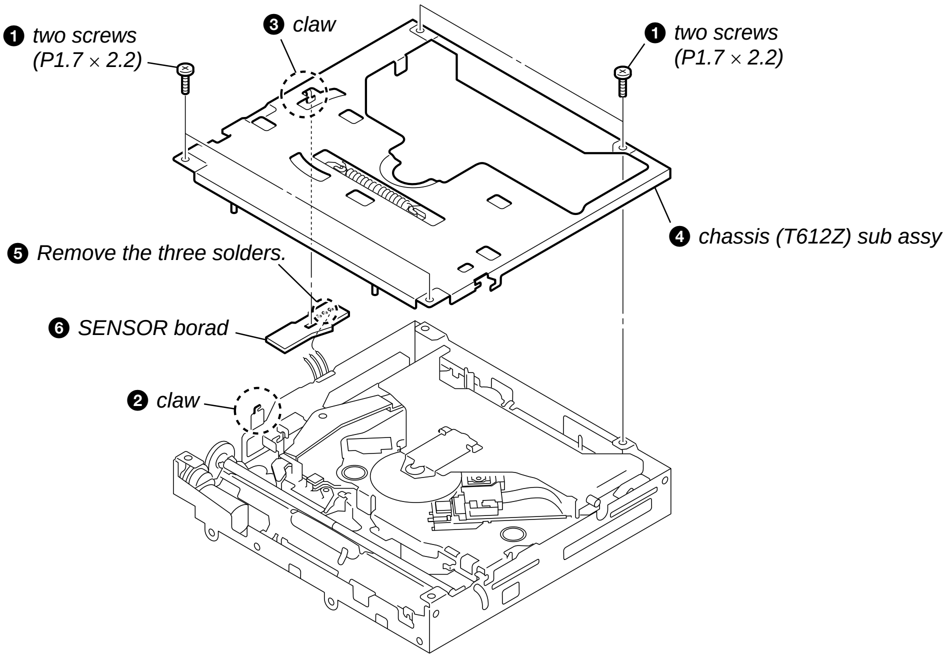
❹ OP flexible board (CN2)

Note 2: When disconnecting the OP flexible board from of the connector. Be sure to refer to “NOTE FOR FLEXIBLE BOARD OF THE OPTICAL PICK-UP” of the servicing notes (See page 5).

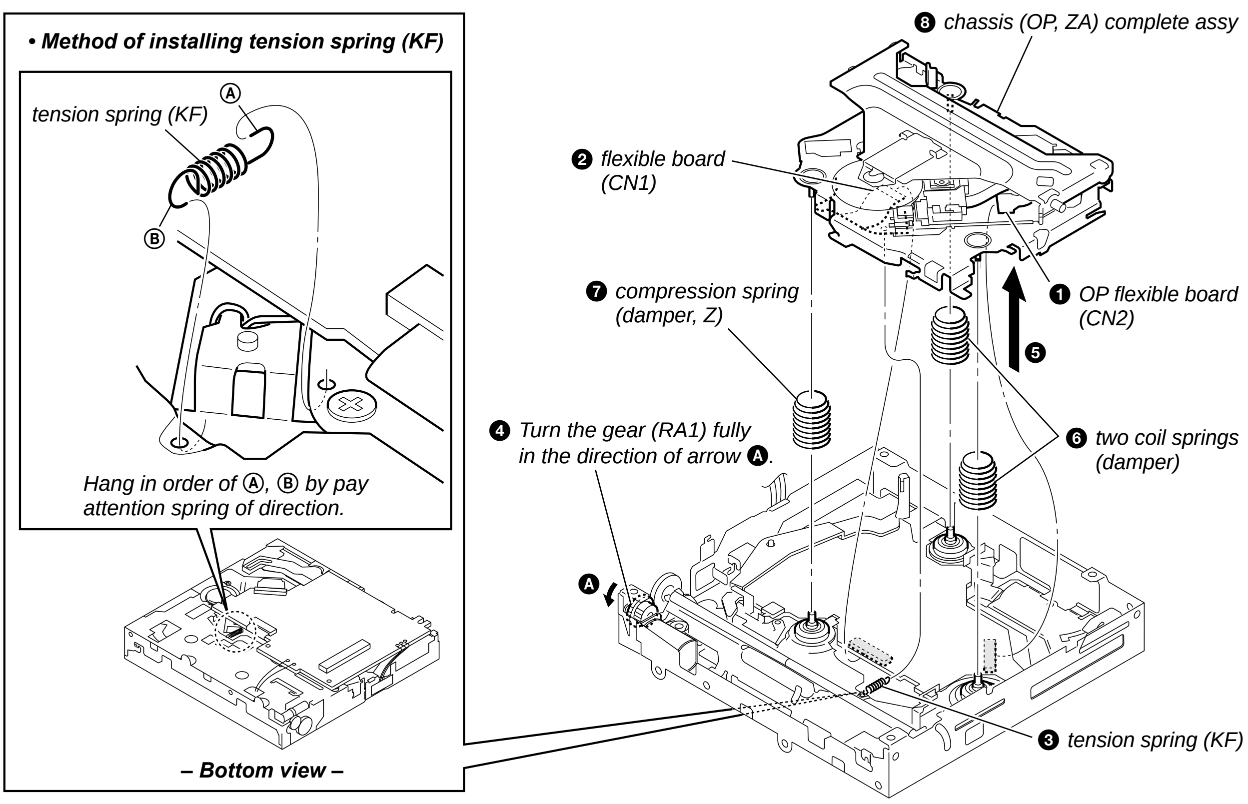


– DVD mechanism deck block (Bottom view) –

3-13. CHASSIS (T612Z) SUB ASSY, SENSOR BOARD



3-14. CHASSIS (OP, ZA) COMPLETE ASSY



SECTION 4
ELECTRICAL ADJUSTMENTS

MONITOR SECTION

If any of the following parts was replaced, execute the "Flicker Adjustment" as mentioned below.

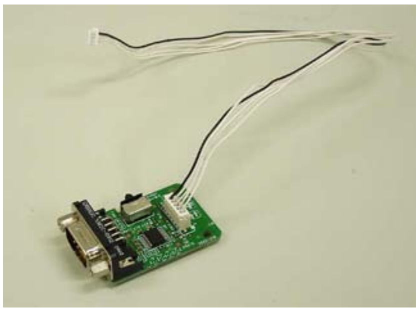
- Complete MAIN board
- MAIN board: IC402
- Liquid crystal display panel (LCD1401)
- Complete DISP board

1. SETTINGS

1-1. Tools and measuring devices for adjustment

Tools and measuring devices	Item used
PC (The one with serial port. The USB-RS232C conversion is available.)	Flicker adjustment
Communication software (Hyper Terminal etc.)	
Serial cable for RS232C (Cross cable)	
RS232-JIG OVERALL ASSY (Part No. A-1777-380-A)	
CONNECTOR CORD (5P) (Part No. 9-885-156-24)	

RS232-JIG OVERALL ASSY

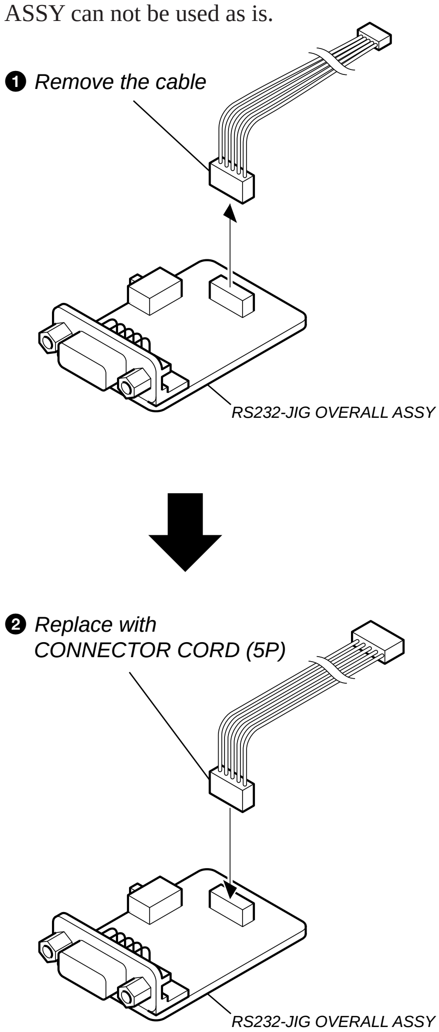


CONNECTOR CORD (5P)



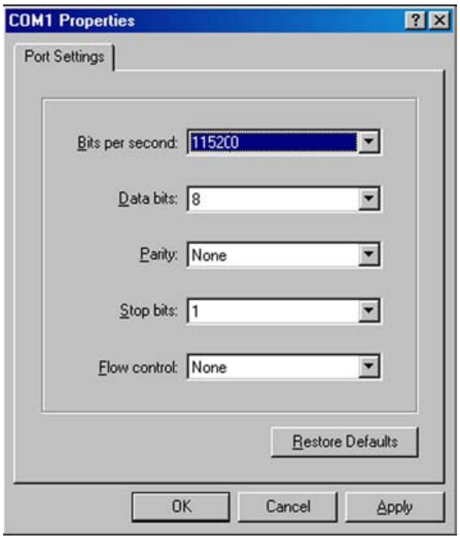
Replacement of the cable

You need to replace the cable, because RS232-JIG OVERLL ASSY can not be used as is.



1-2. Serial port setting

Please setting it as follows.

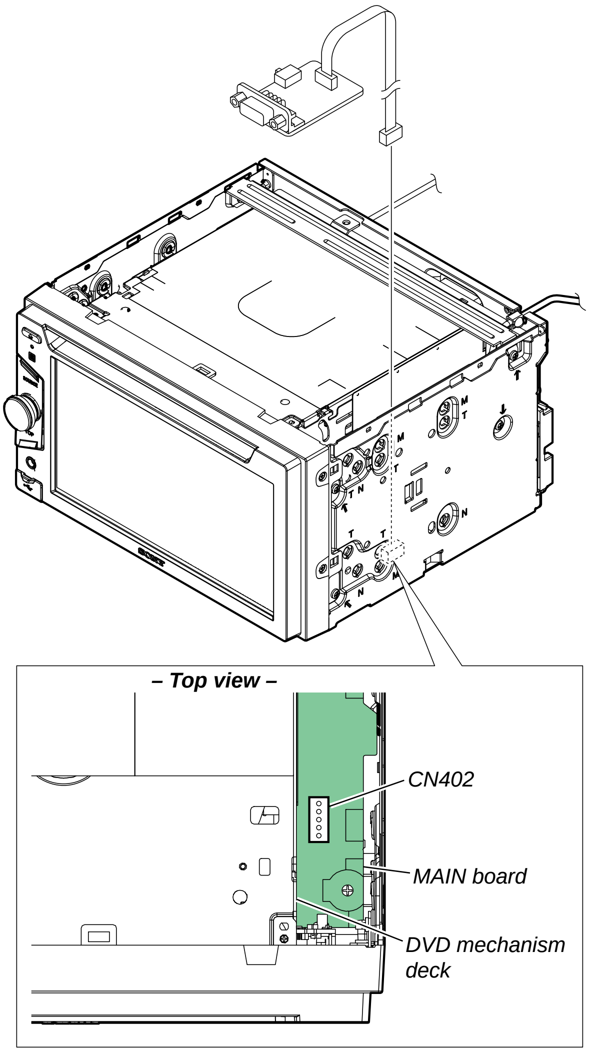


1-3. Connection with unit

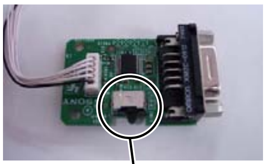
Procedure:

1. Remove cover referring to "DISASSEMBLY (Page 17)".
2. Insert the 5pin cable into the connector of the MAIN board (CN402).

Note: Connect 5pin cable after removing the front panel block and DVD mechanism deck referring to "DISASSEMBLY (Page 17)".



3. The switch of RS232-JIG OVERALL ASSY is "L".



4. The communication software is start up.
5. Turn on the main power of unit.
   The following log is displayed when starting while connected.

```
xxxxx Visual Ver[**** ] xxxxx
Techwell Mode
Data Read Format : 'r 005A'+ [Enter]
Data Write Format: 'w 01C4 03'+ [Enter]

DAC Mode
Data Read Format : 'dr0'+ [Enter]
Data Write Format: 'dw1 7D'+ [Enter]

Gerda WB Adjust (TestMode5 only)
Read Drive Value   : 'grd'+'r / g / b' [Enter]
Write Drive Value  : 'gwd'+'r / g / b'+'value(hex)' [Enter]
Read CutOff Value  : 'grc'+'r / g / b' [Enter]
Write CutOff Value : 'gwc'+'r / g / b'+'value(hex)' [Enter]

Flash Write
Save Data to Flash : 'ds'+ [Enter]
Clear Flash Data : 'dc'+ [Enter]
```

****: Version display

2. FLICKER ADJUSTMENT

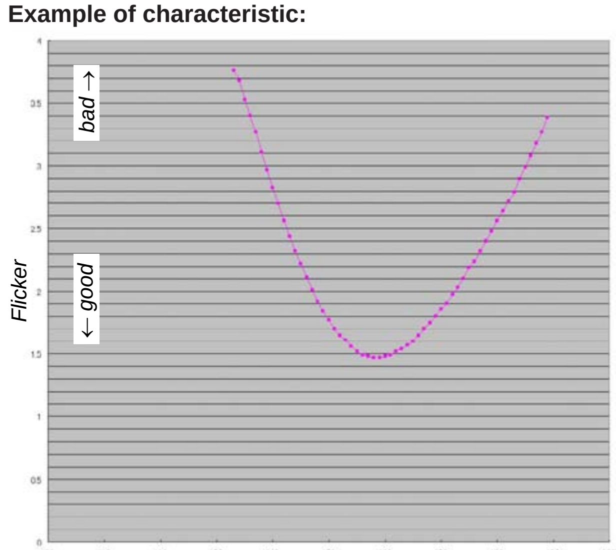
Procedure:

1. The setting of "1. SETTINGS" is completed.
2. Input the PAL white 40% raster signal from Rear AUX VIDEO IN jack on the BRACKET (BACK).
3. In the state of source off, press the [4] → [5] → [4] (keeps pressing) button on the remote commander.
   The test mode 4 starts, and the following screen is displayed on the monitor.



4. "dr0" is input by the communication software and "Enter" key is pressed.
   The following numerical value returns from the set.
   "Read Channel0:0x**"
   **: Hexadecimal ("00" to "FF")
5. To change the adjusted value, "dw0 ##" is input by the communication software and "Enter" key is pressed.
   The following numerical value returns from the set.
   "Write Channel0:0x##"
   ##: Hexadecimal ("00" to "FF")
   Adjust so that the flicker becomes minimum in the sight.
6. "ds" is input by the communication software and "Enter" key is pressed and the numerical value is saved.
7. The "Reset" button is pressed and turn the power off.

Example of characteristic:



SERVO SECTION

If any of the following parts was replaced, perform the "IOP Check" as mentioned below.

- Optical pick-up block (chassis (OP, ZA) complete assy)
- Complete SERVO board

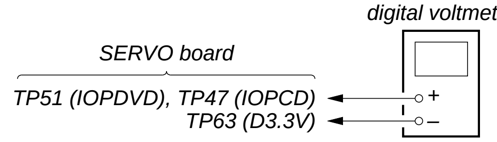
Precaution

Use the following tools and measuring devices.

- DVD test disc TDV-540C (Part No. J-2501-235-A)
- CD test disc PATD-012 (Part No. 4-225-203-01)
- Digital voltmeter
- Accessory remote commander RM-X170

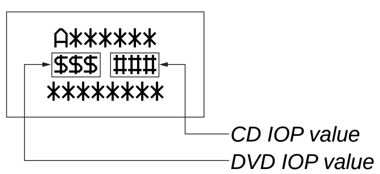
IOP CHECK

Connection:



Procedure:

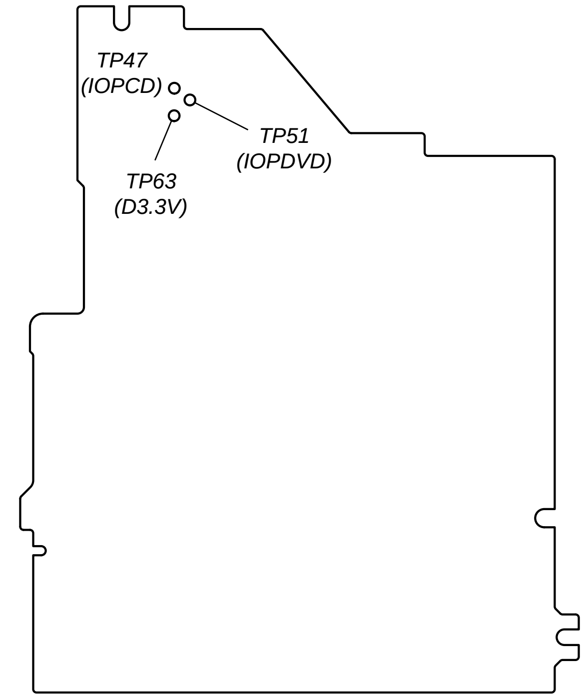
1. Check the IOP value of DVD and CD by label on the optical pick-up.



2. Connect a digital voltmeter to TP51 (IOPDVD) and TP63 (D3.3V) on the SERVO board.
3. Playback the DVD test disc (TDV-540C), and make a note of the value of digital voltmeter.
4. Divide the measured voltage value by 1, and convert it into current value.
5. Check that the calculated value is within ±6 mA to the IOP value given on the label.
6. Connect a digital voltmeter to TP47 (IOPCD) and TP63 (D3.3V) on the SERVO board.
7. Playback the CD test disc (PATD-012), and make a note of the value of digital voltmeter.
8. Divide the measured voltage value by 1, and convert it into current value.
9. Check that the calculated value is within ±6 mA to the IOP value given on the label.

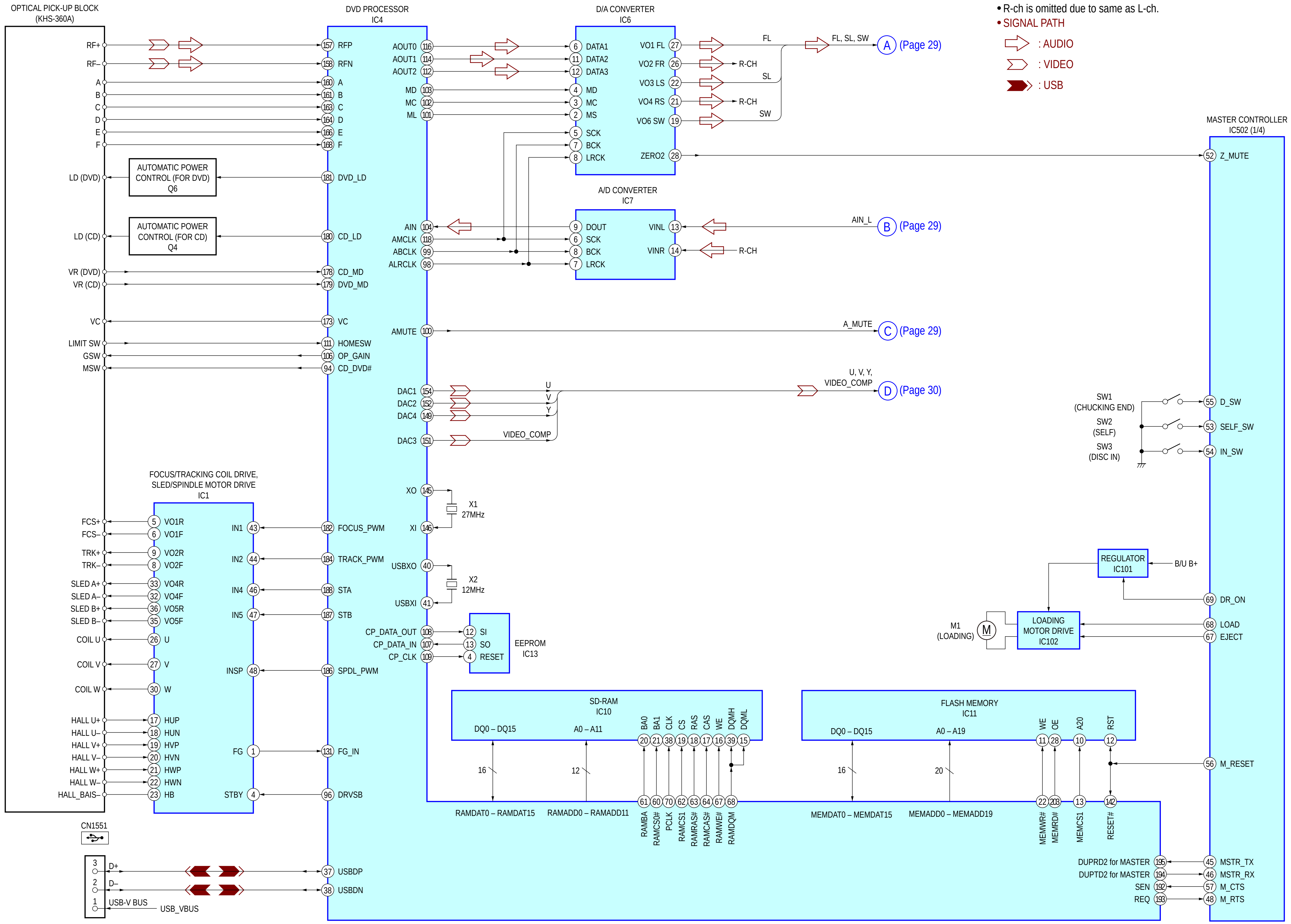
Check Location:

– SERVO Board (Side B) –

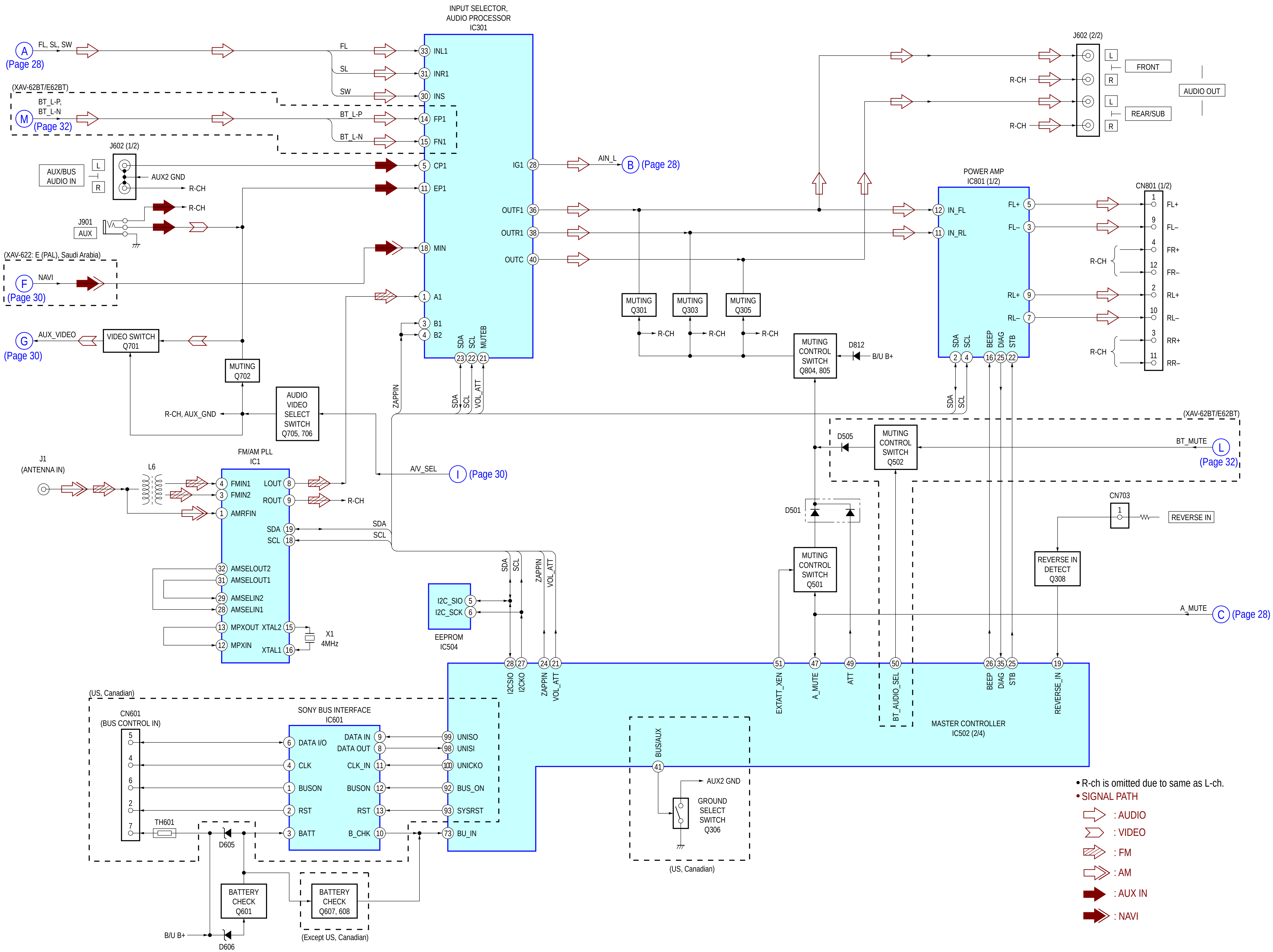


SECTION 5
DIAGRAMS

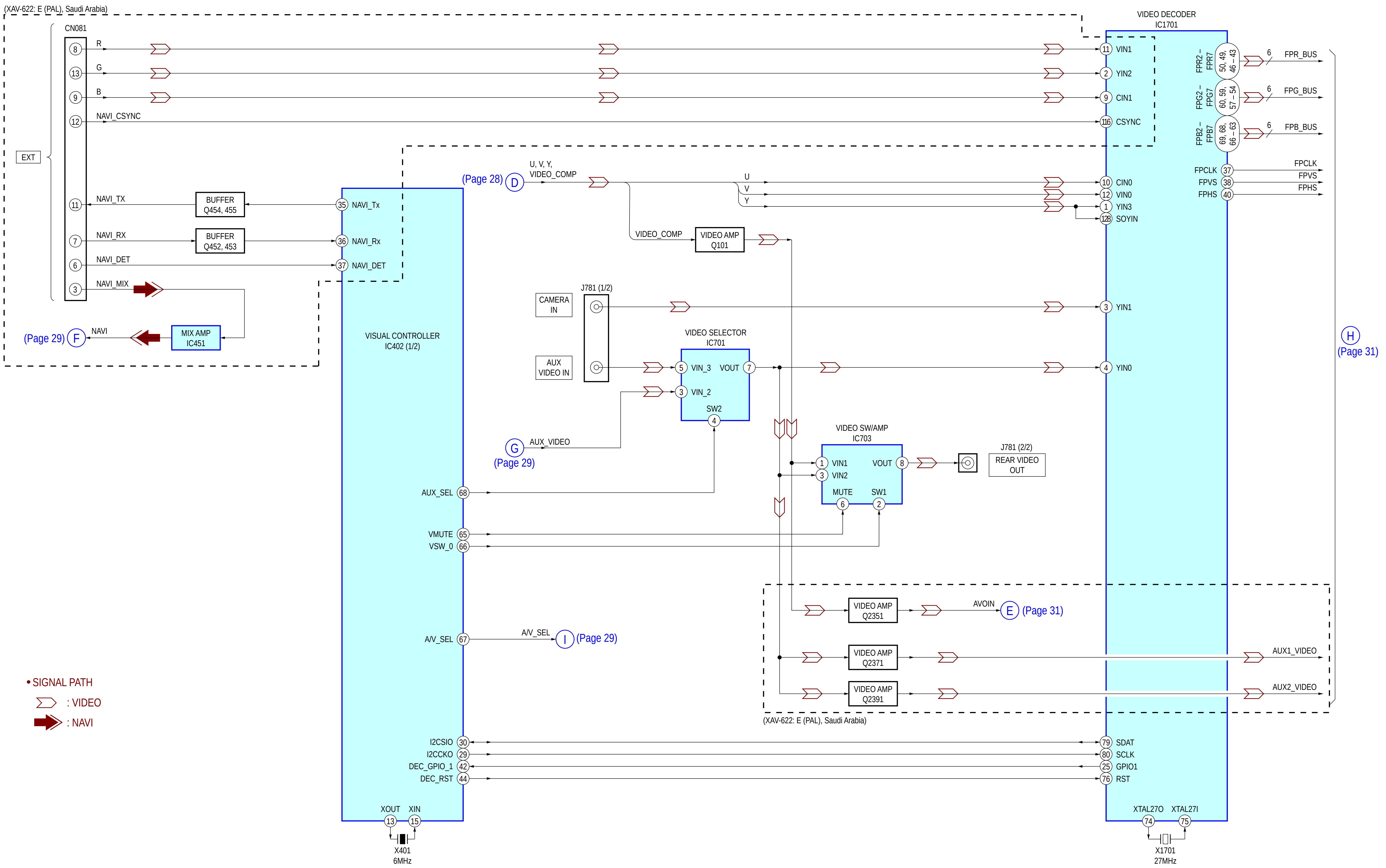
5-1. BLOCK DIAGRAM - SERVO Section -



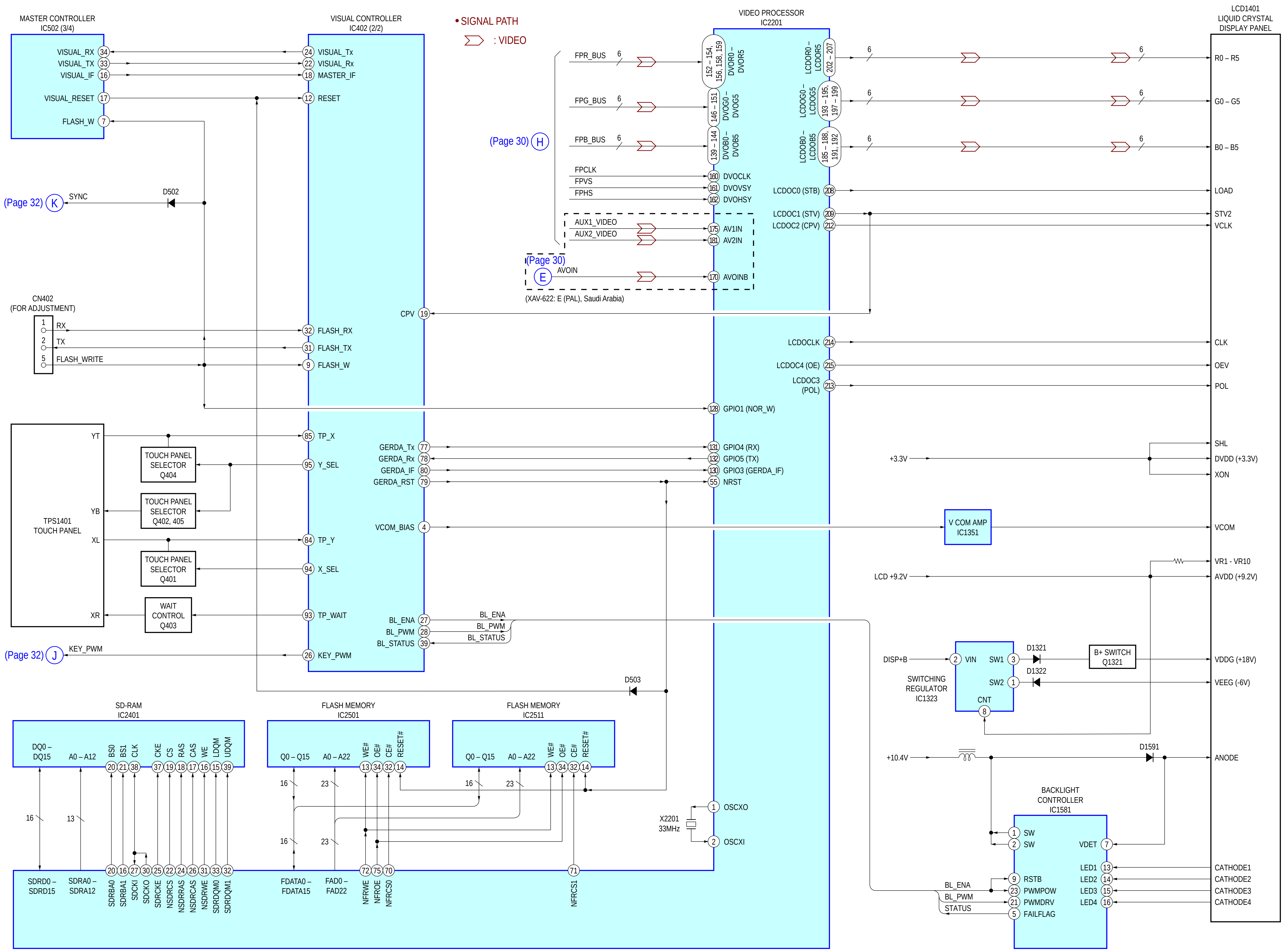
5-2. BLOCK DIAGRAM - AUDIO Section -



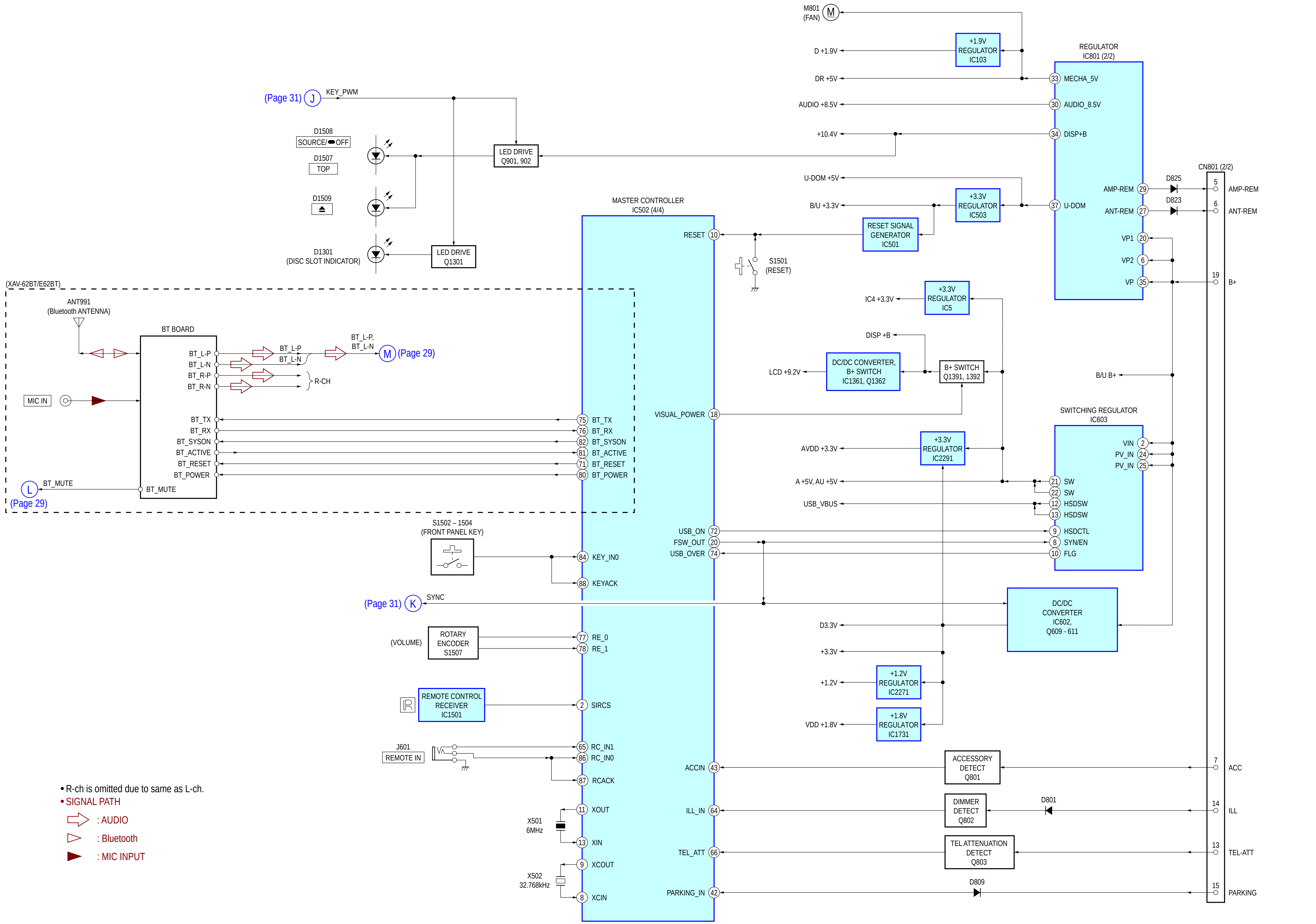
5-3. BLOCK DIAGRAM - VIDEO Section -



5-4. BLOCK DIAGRAM - DISPLAY Section -



5-5. BLOCK DIAGRAM - Bluetooth/PANEL/POWER SUPPLY Section



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

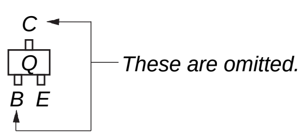
Note:

- : Parts extracted from the component side.
- : Parts extracted from the conductor side.
- : Indicates side identified with part number.
- △ : Internal component.
- : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

- SERVO, DISP, JACK and KEY boards are multi-layer printed board.
  However, the patterns of intermediate-layer have not been included in this diagrams.
- Indication of transistor.



- Abbreviation
  CND : Canadian model
  EA : Saudi Arabia model
  RU : Russian Model

For Schematic Diagrams.

Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : Internal component.
- : Panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

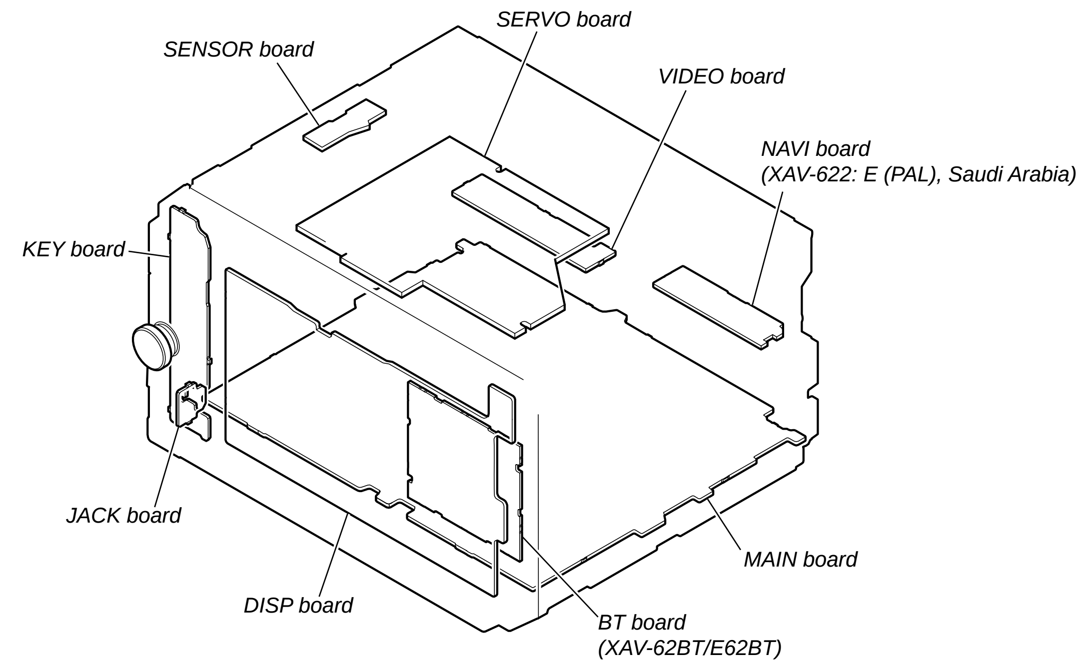
- : B+ Line.
- : B– Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

- SERVO board -
  no mark: DVD PLAY
  ∗ : Impossible to measure

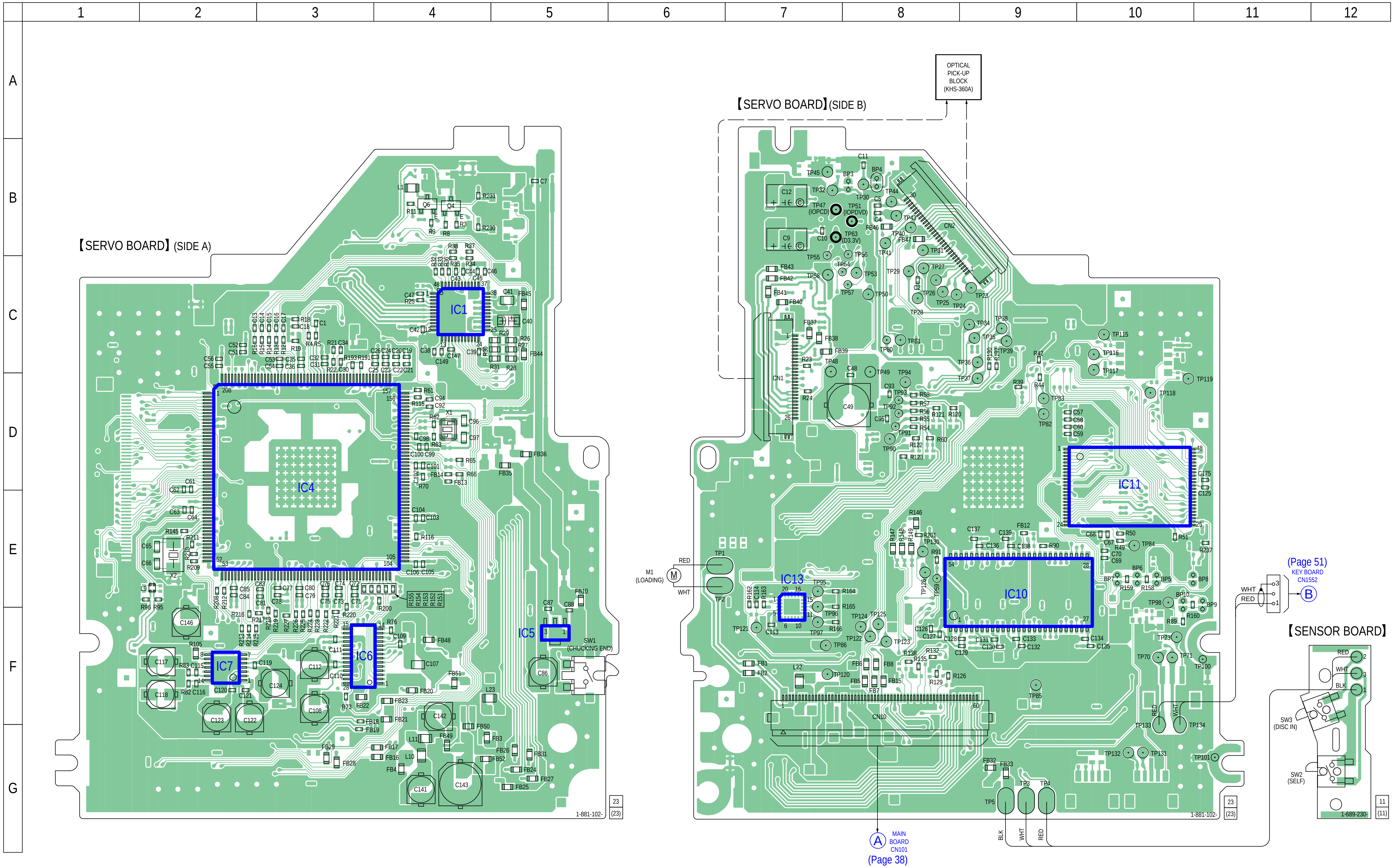
- Other board -
  no mark: TUNER (FM)
  ∗ : Impossible to measure

- Voltages are taken with VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : AUDIO
  : VIDEO
  : FM
  : AM
  : USB
  : AUX IN
  : Bluetooth
  : MIC INPUT
  : NAVI
- Abbreviation
  CND : Canadian model
  EA : Saudi Arabia model
  RU : Russian Model

- **Circuit Boards Location**

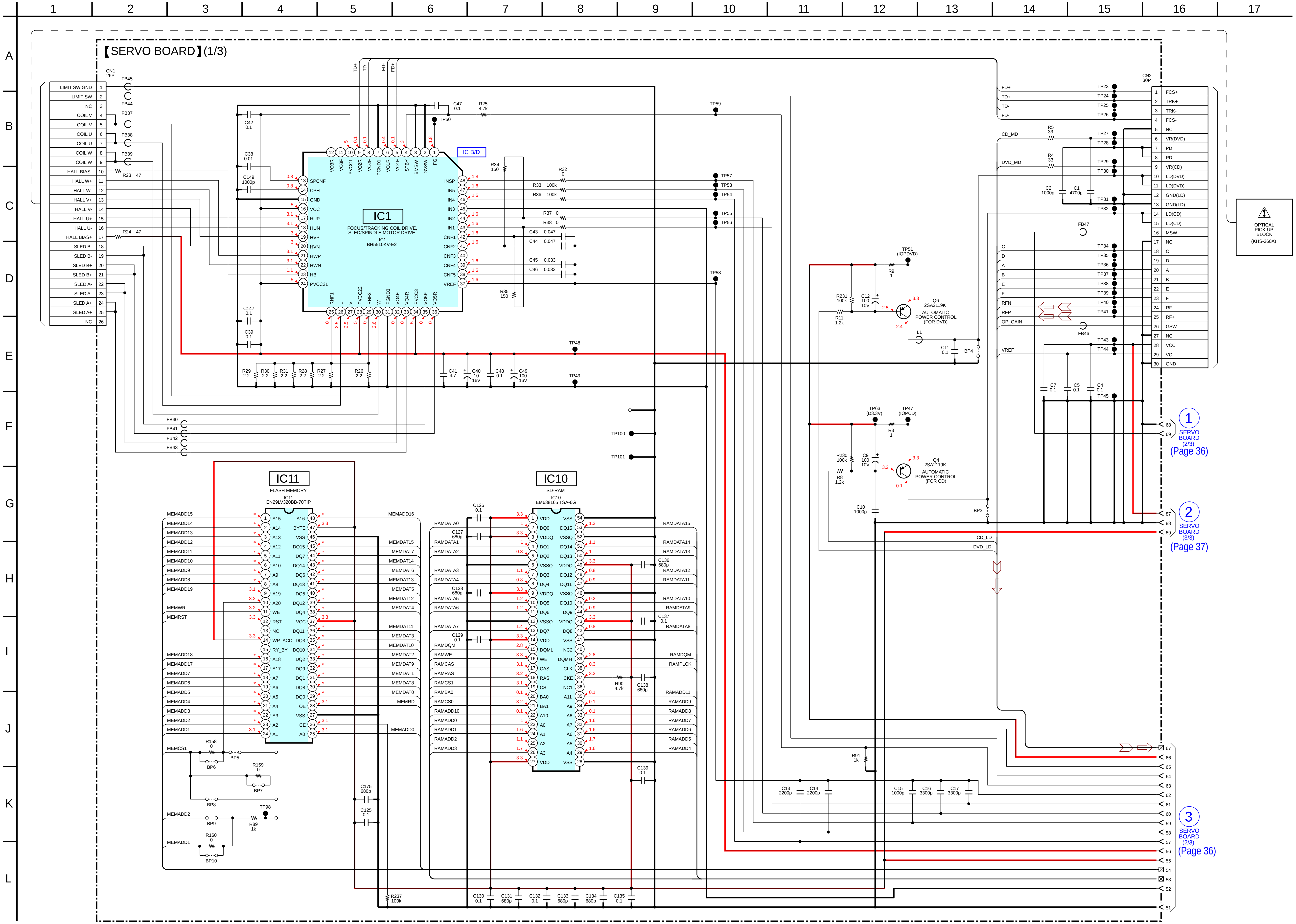


5-6. PRINTED WIRING BOARDS - SERVO Section - • See page 33 for Circuit Boards Location. • : Uses unleaded solder.



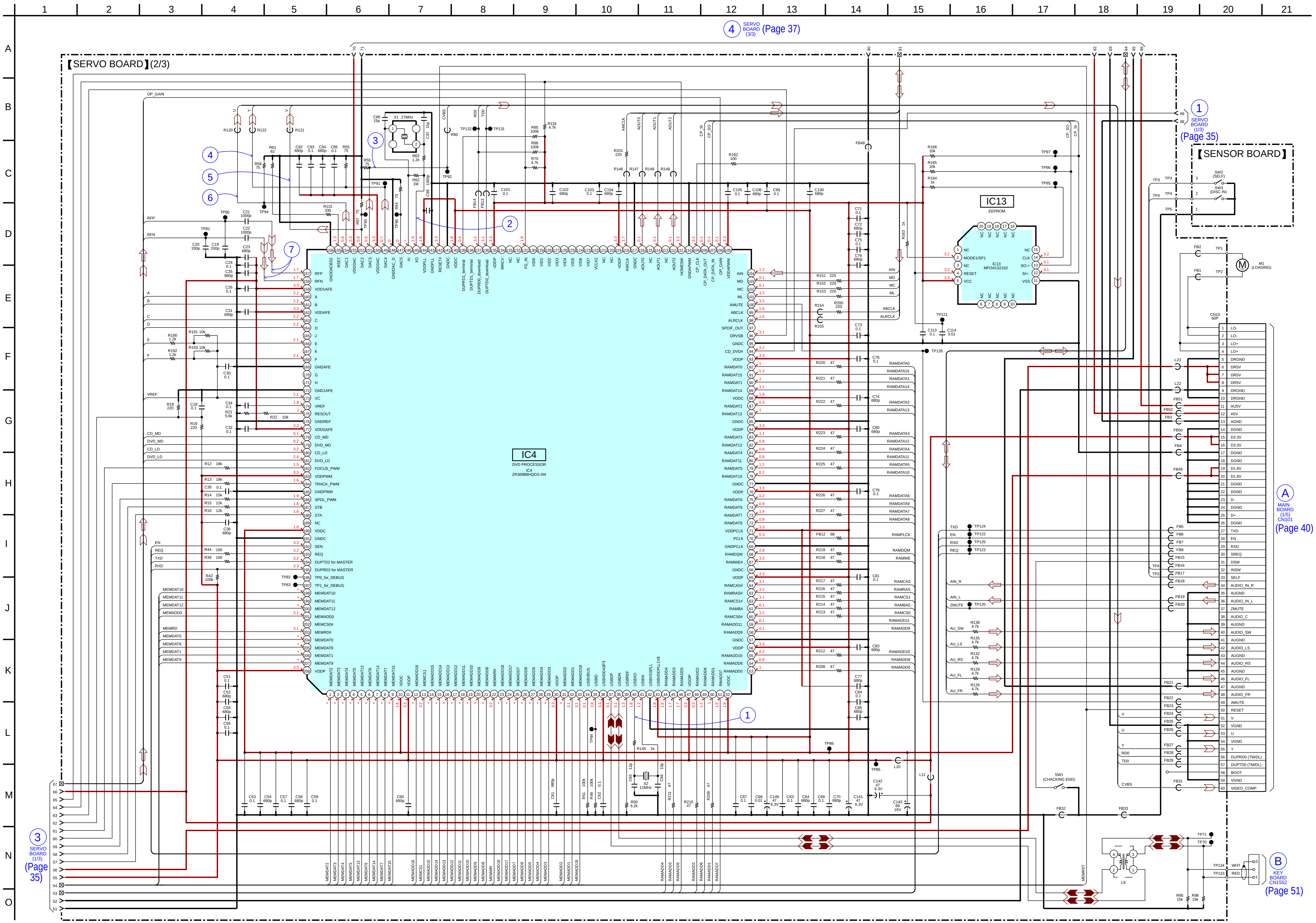
Note: IC4, IC11 and IC13 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-7. SCHEMATIC DIAGRAM - SERVO Section (1/3) - • See page 52 for IC Block Diagrams.



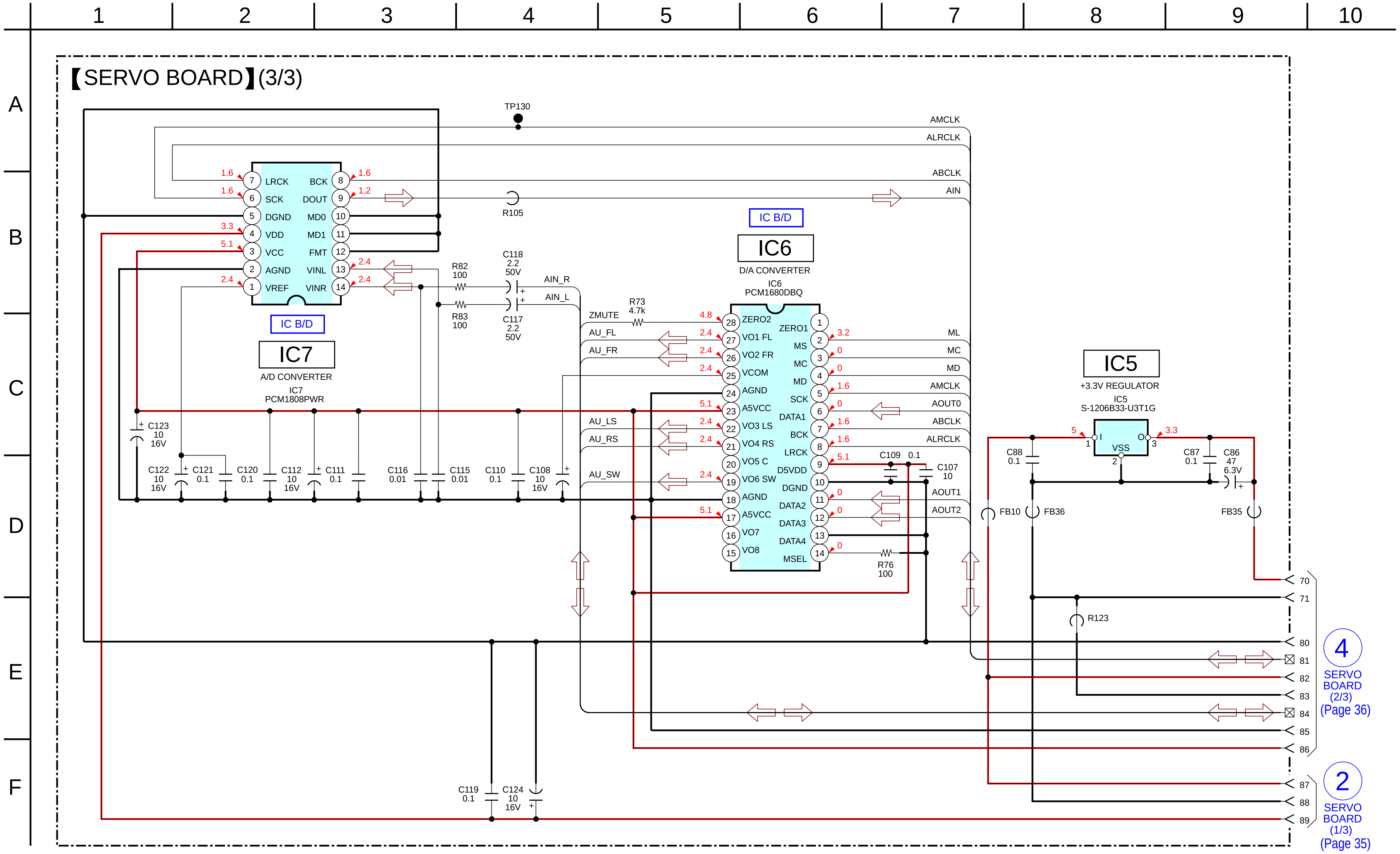
Note: IC11 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

5-8. SCHEMATIC DIAGRAM - SERVO Section (2/3) - • See page 52 for Waveforms. • See page 52 for IC Block Diagrams. • See page 61 for IC Pin Function Description.



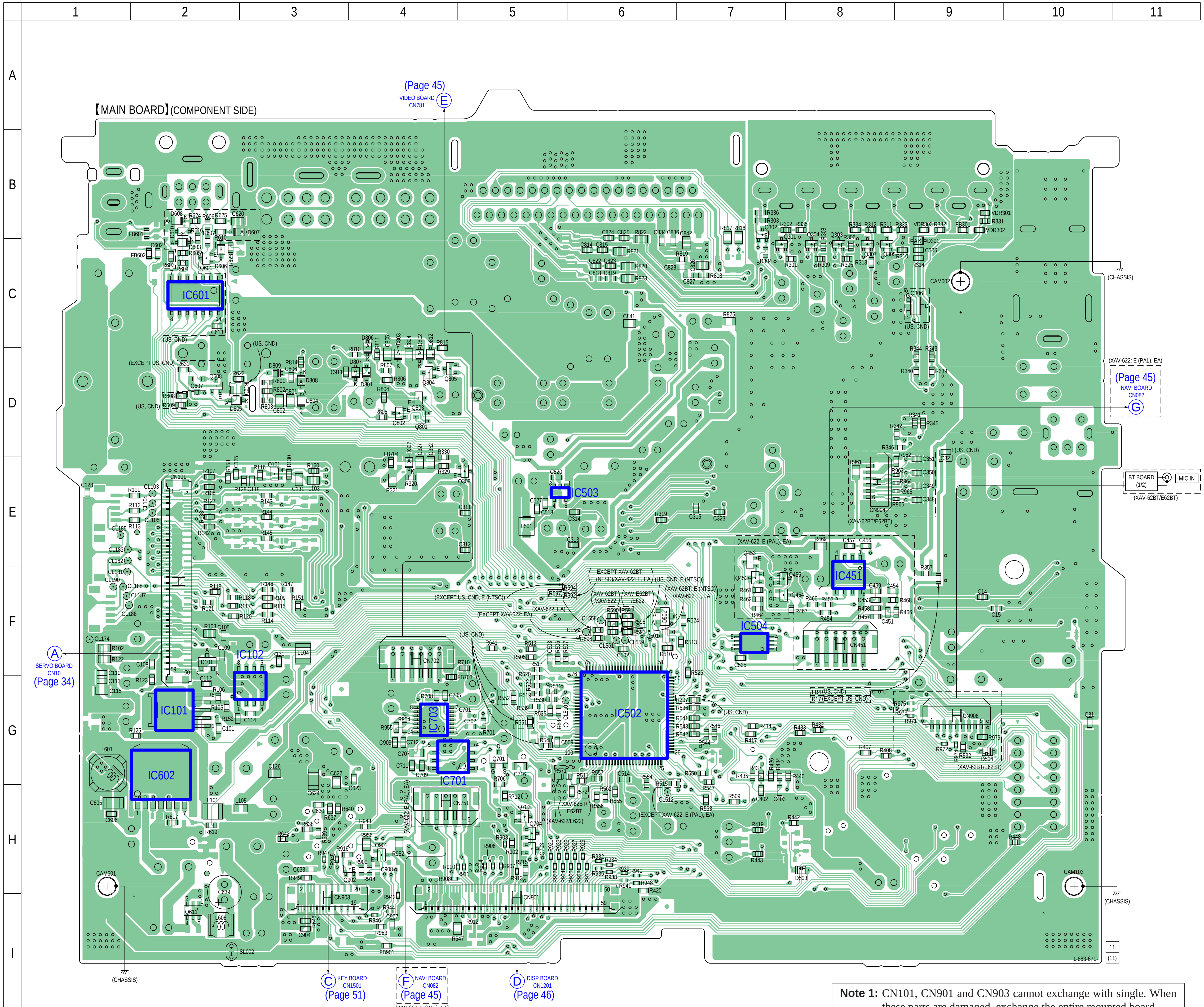
Note: IC4 and IC13 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-9. SCHEMATIC DIAGRAM - SERVO Section (3/3) - • See page 52 for IC Block Diagrams.



5-10. PRINTED WIRING BOARDS - MAIN Section (1/2) -

• See page 33 for Circuit Boards Location. • : Uses unleaded solder.

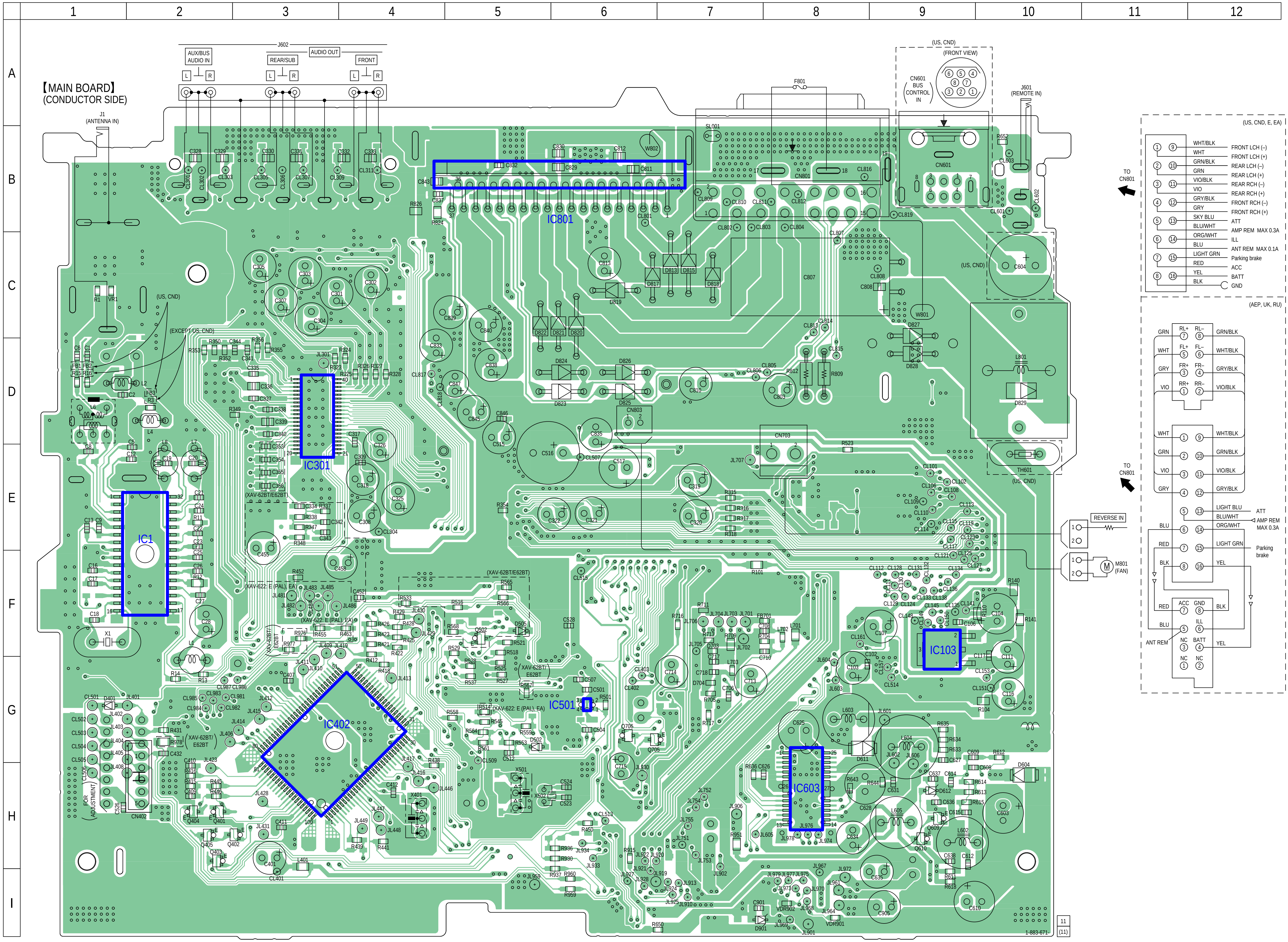


Note 1: CN101, CN901 and CN903 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

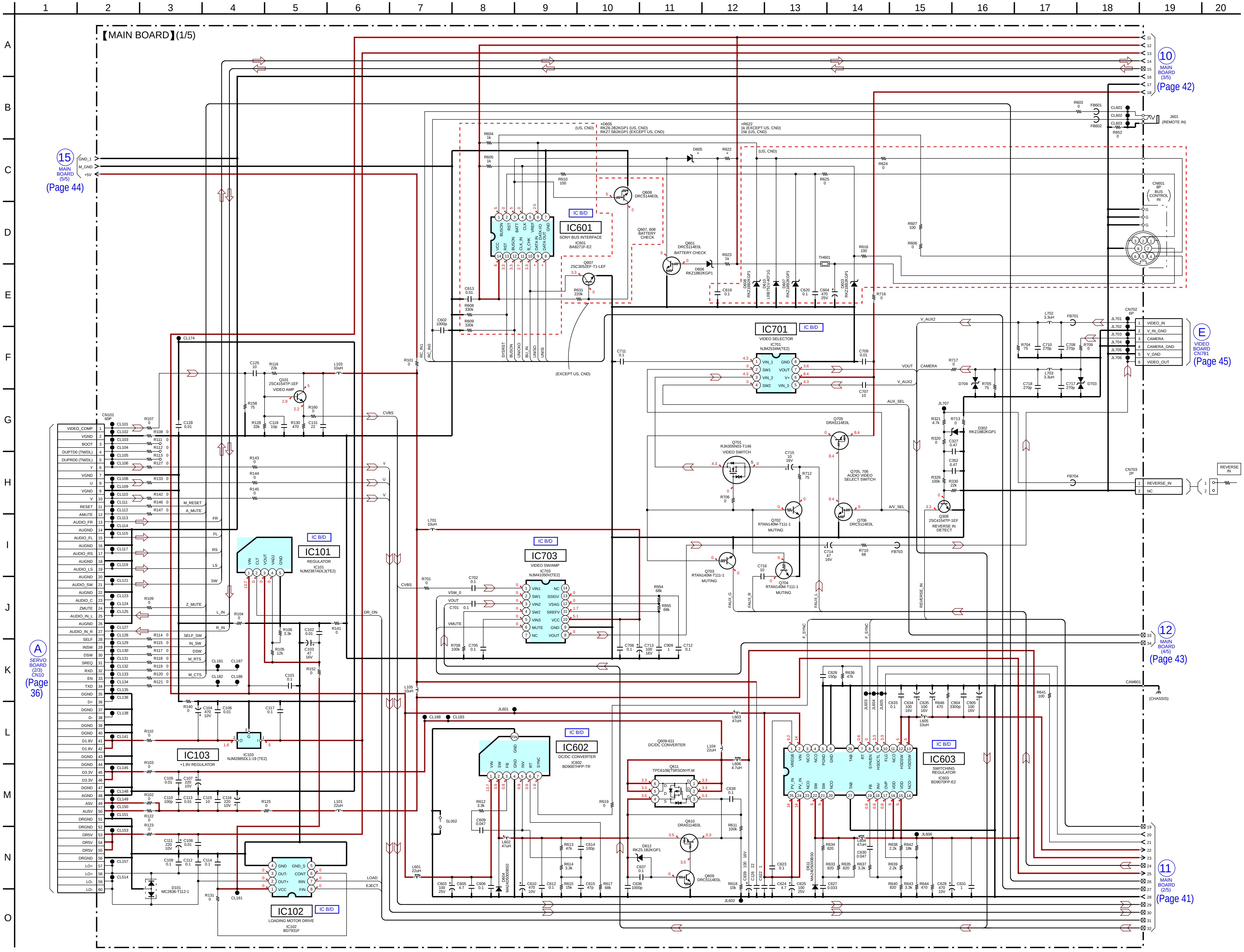
Note 2: When BT board is detective, exchange the complete mounted board.

5-11. PRINTED WIRING BOARD - MAIN Section (2/2) -

• See page 33 for Circuit Boards Location. • : Uses unleaded solder.



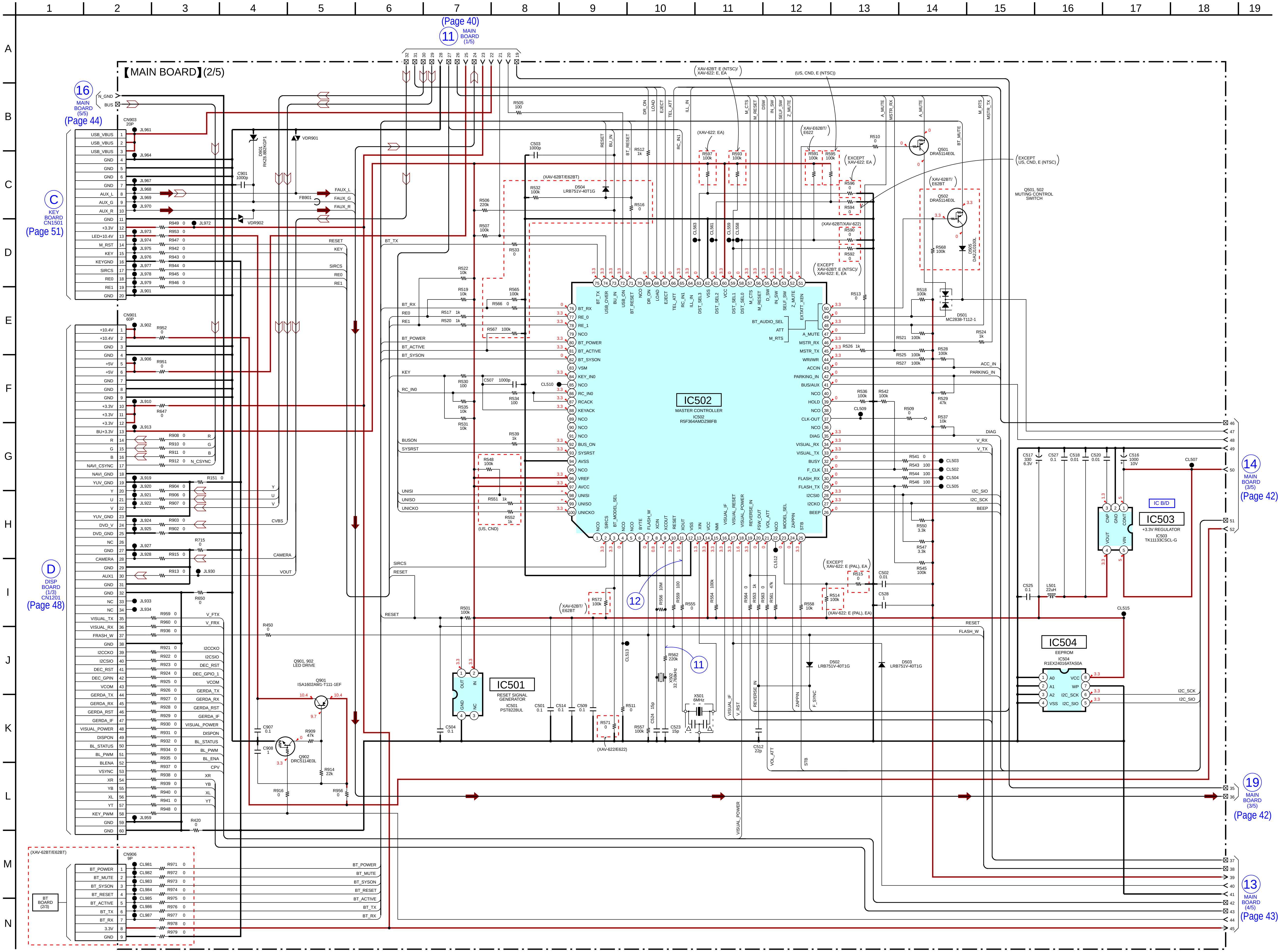
5-12. SCHEMATIC DIAGRAM - MAIN Section (1/5) - • See page 52 for IC Block Diagrams.



Note: CN101 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

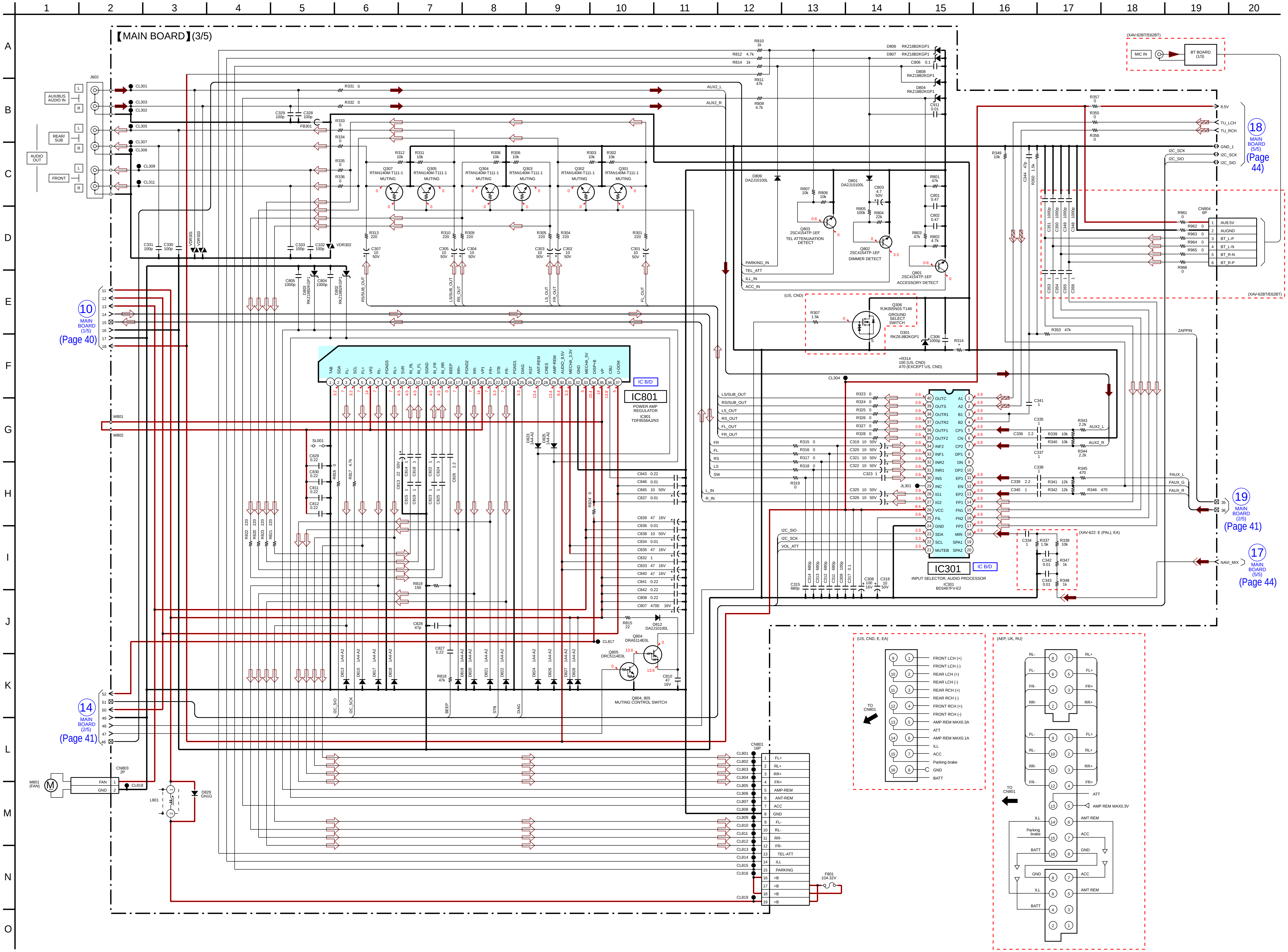
5-13. SCHEMATIC DIAGRAM - MAIN Section (2/5) -

• See page 52 for Waveforms. • See page 52 for IC Block Diagrams. • See page 61 for IC Pin Function Description.



Note: CN901 and CN903 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

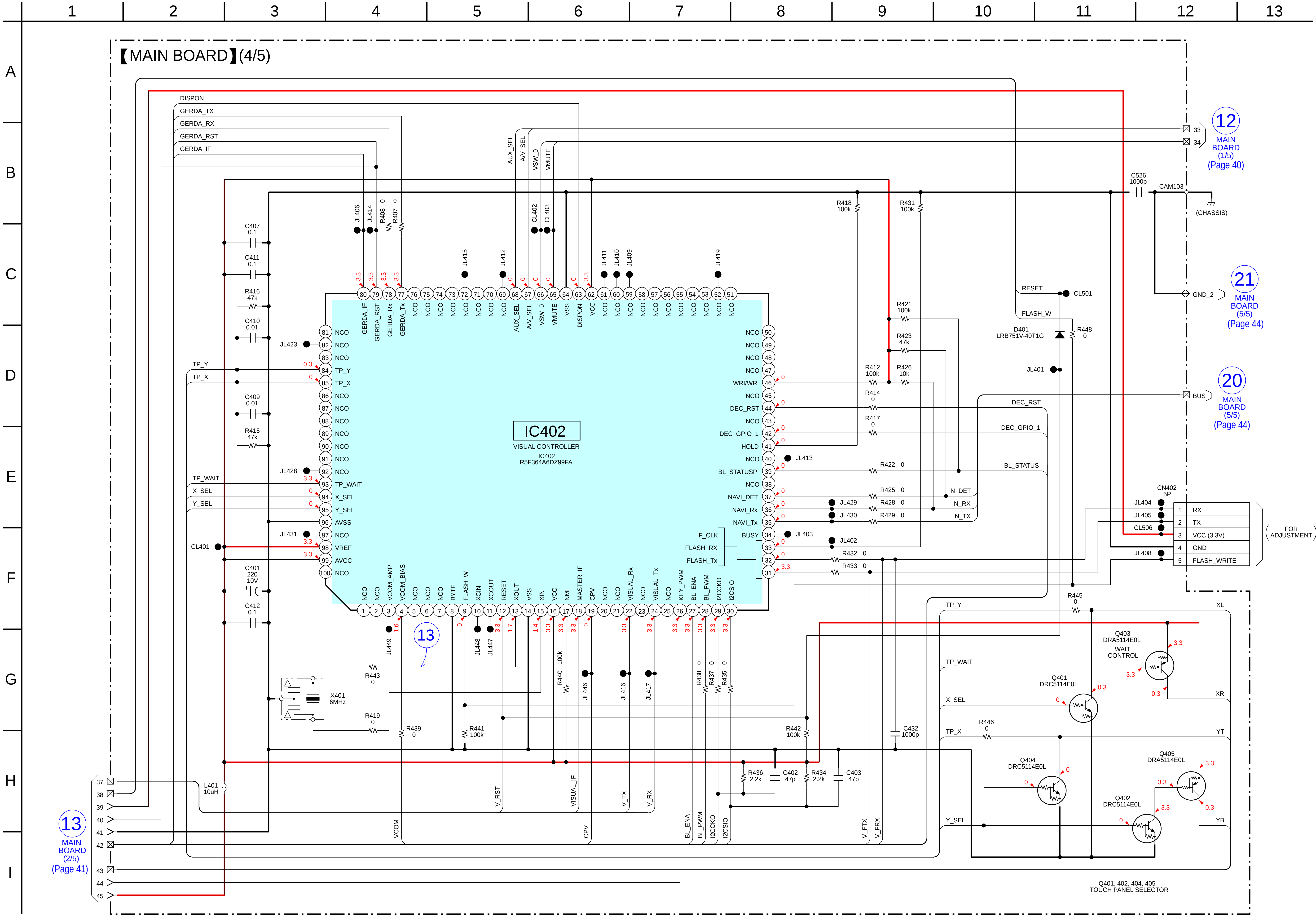
5-14. SCHEMATIC DIAGRAM - MAIN Section (3/5) - • See page 52 for IC Block Diagrams.



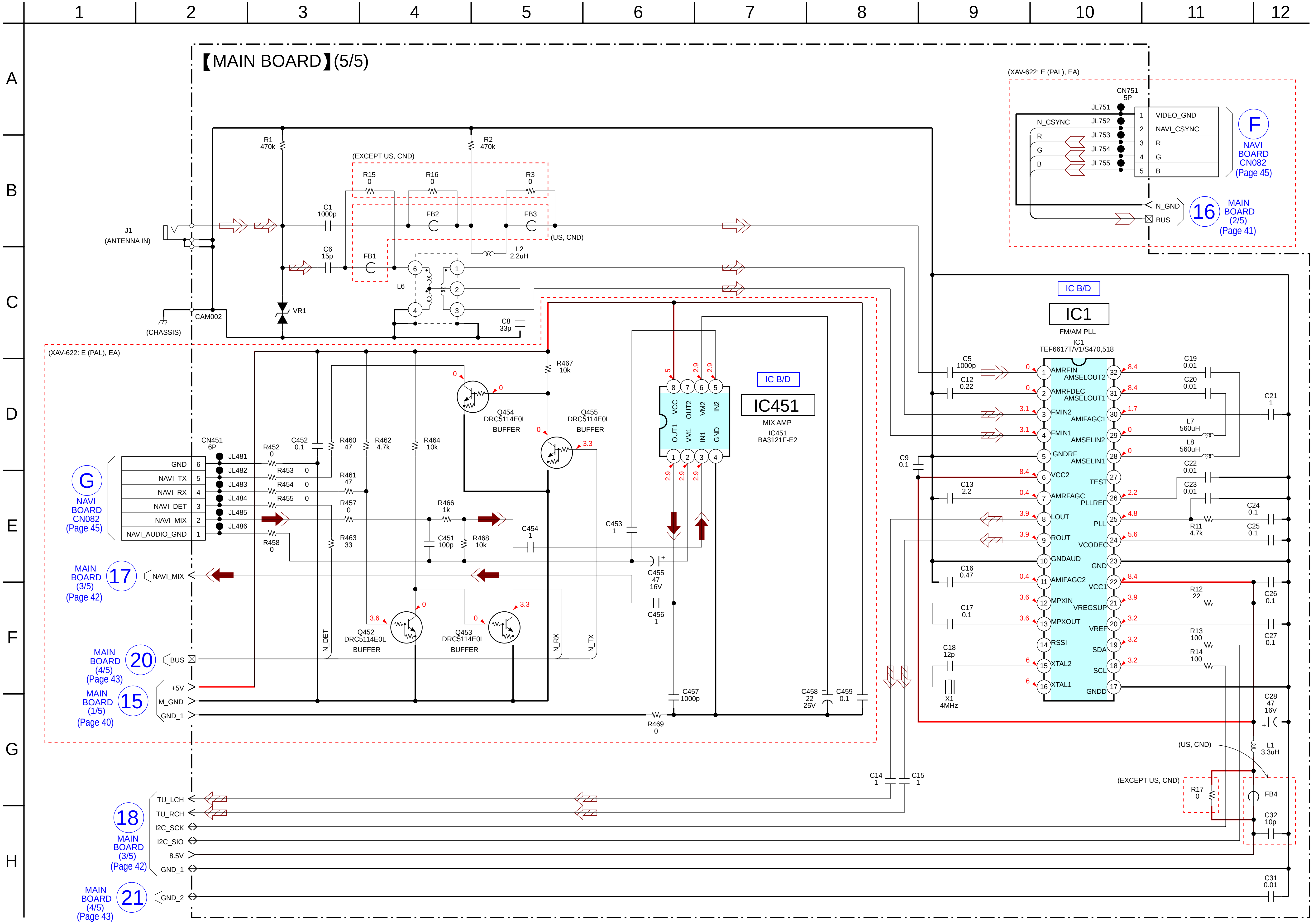
Note: When BT board is detective, exchange the complete mounted board.

5-15. SCHEMATIC DIAGRAM - MAIN Section (4/5) -

• See page 52 for Waveforms. • See page 61 for IC Pin Function Description.

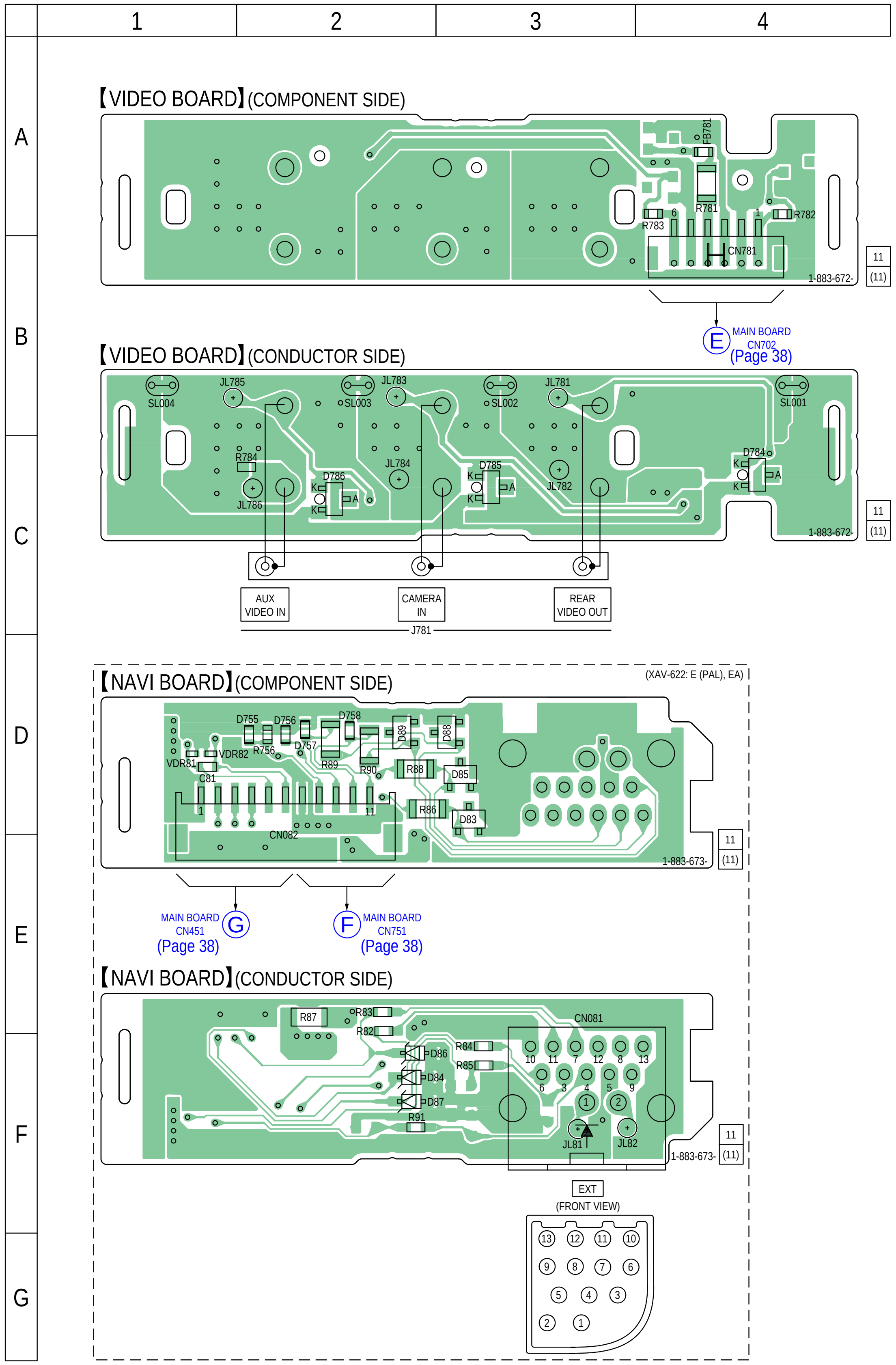


5-16. SCHEMATIC DIAGRAM - MAIN Section (5/5) - • See page 52 for IC Block Diagrams.

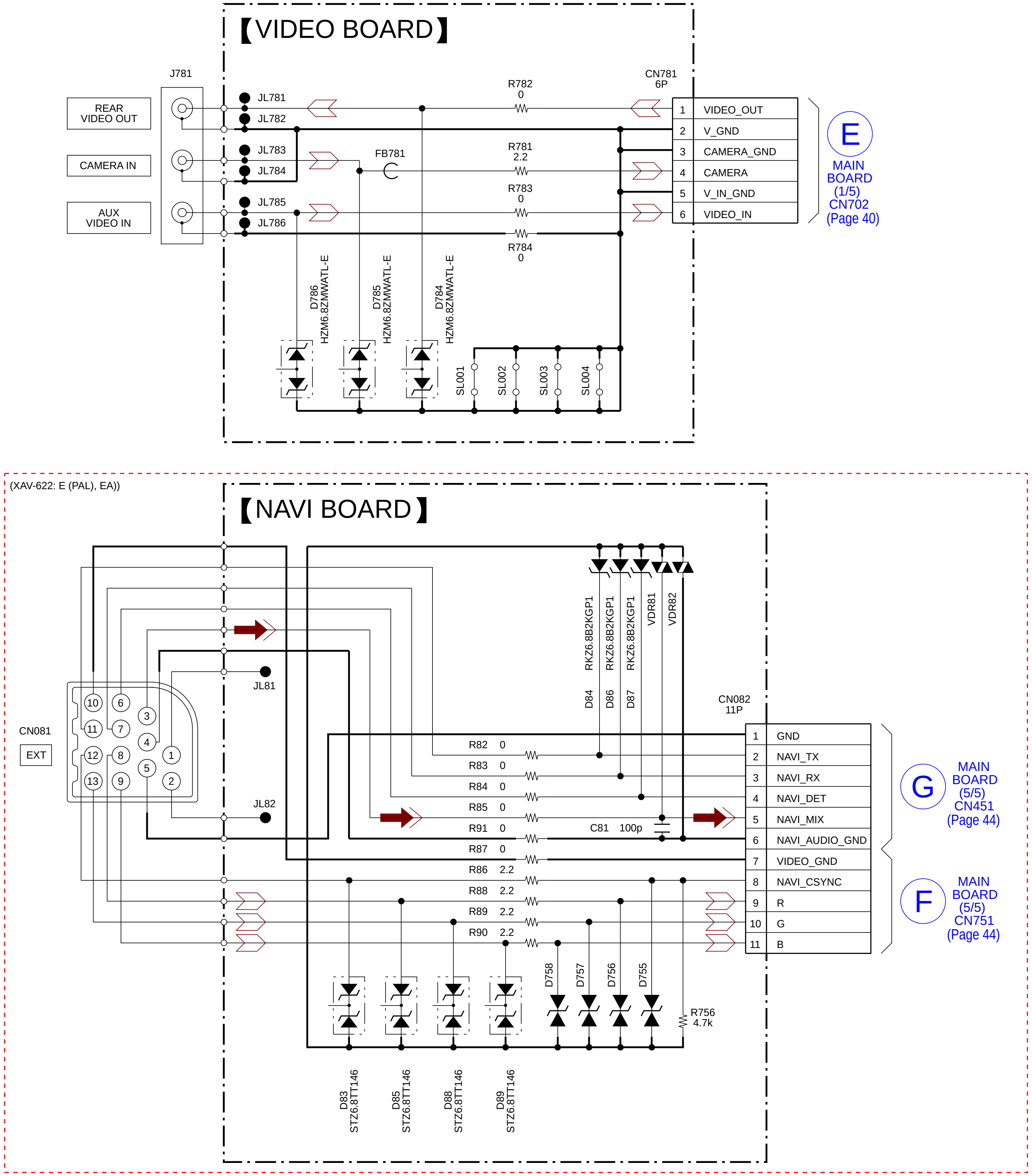


5-17. PRINTED WIRING BOARDS - VIDEO,NAVI Boards -

• See page 33 for Circuit Boards Location. • : Uses unleaded solder.

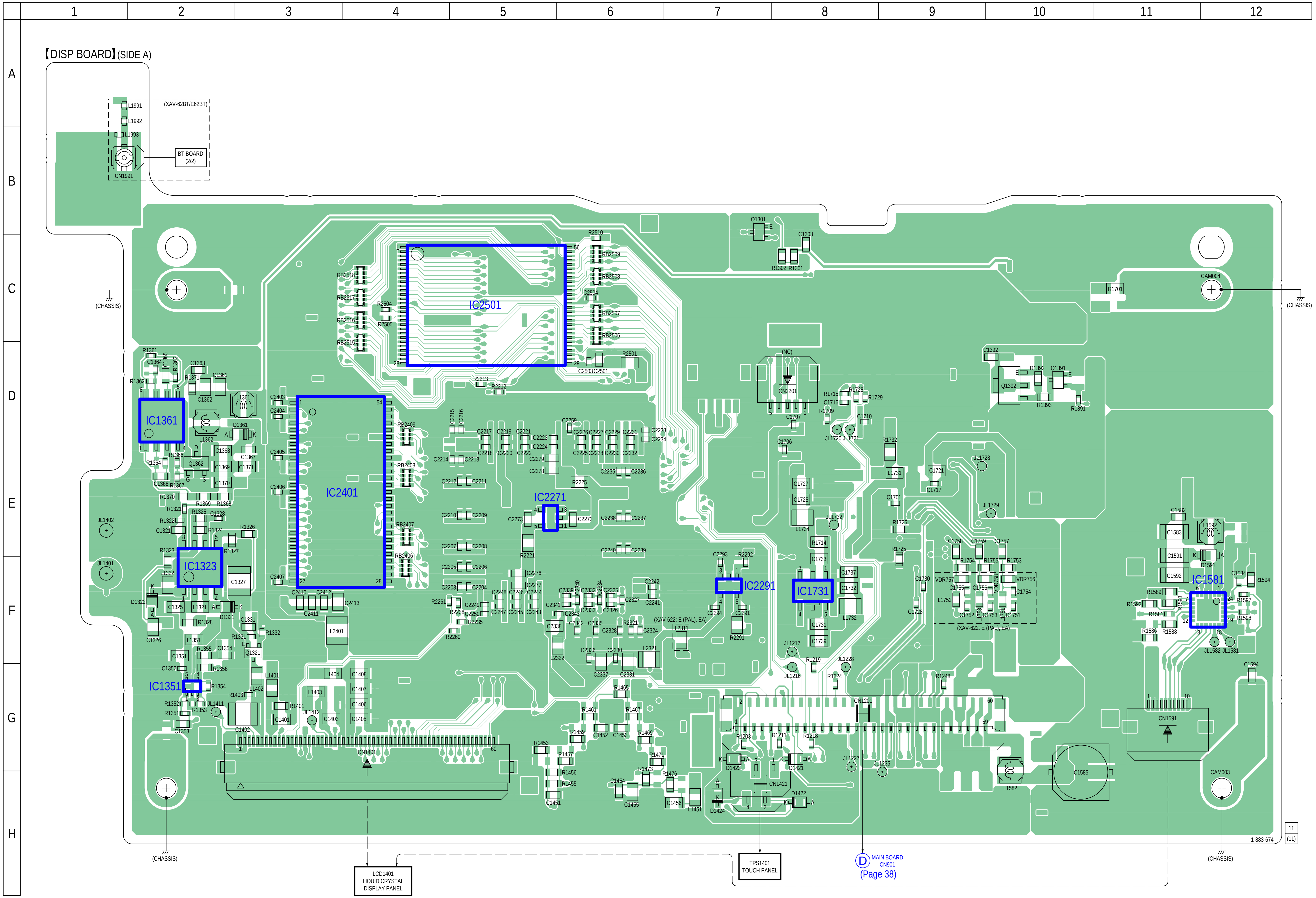


5-18. SCHEMATIC DIAGRAM - VIDEO, NAVI Boards -

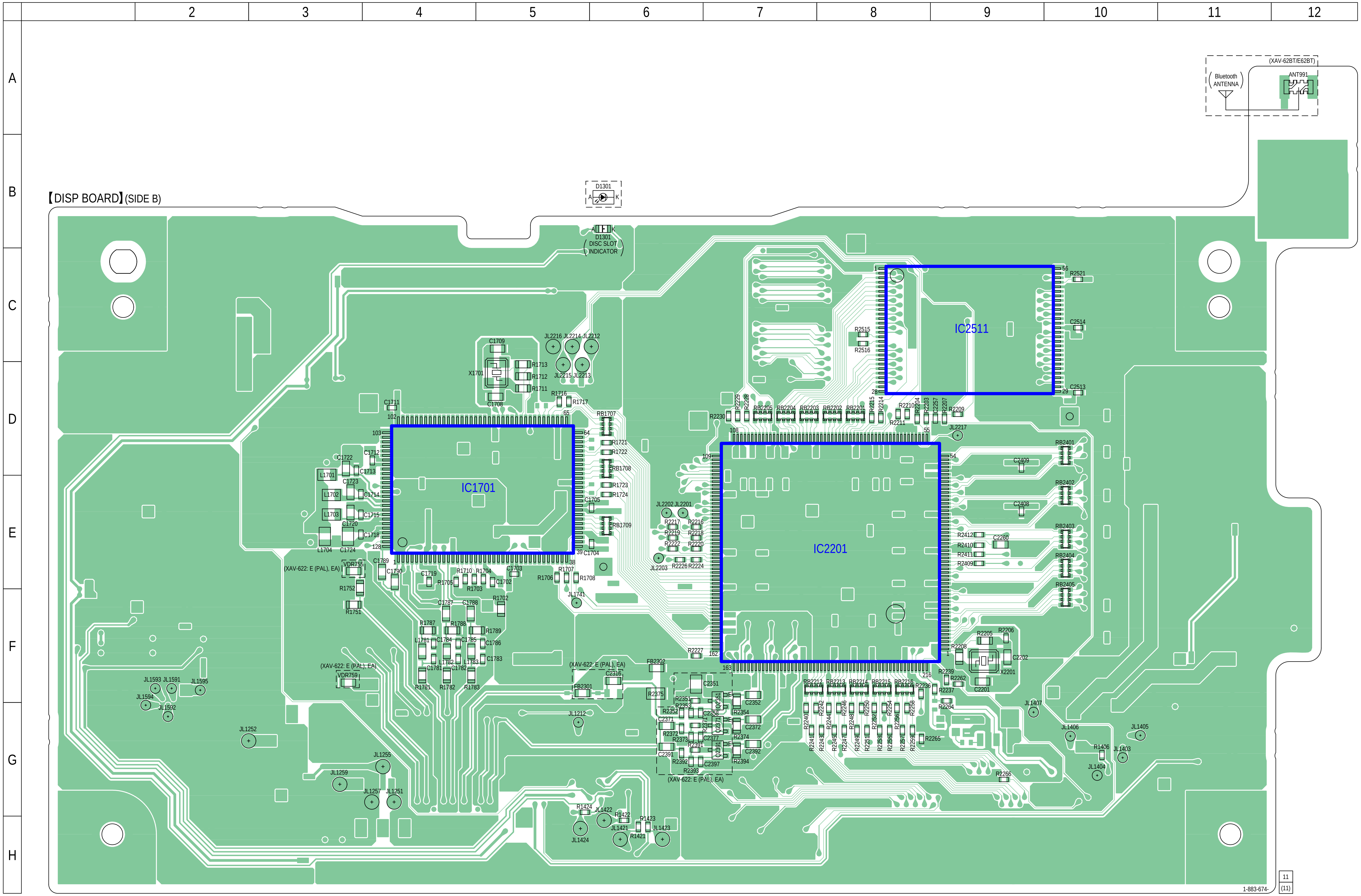


5-19. PRINTED WIRING BOARD - DISPLAY Section (1/2) -

• See page 33 for Circuit Boards Location. • : Uses unleaded solder.



5-20. PRINTED WIRING BOARDS - DISPLAY Section (2/2) - • See page 33 for Circuit Boards Location. • : Uses unleaded solder.

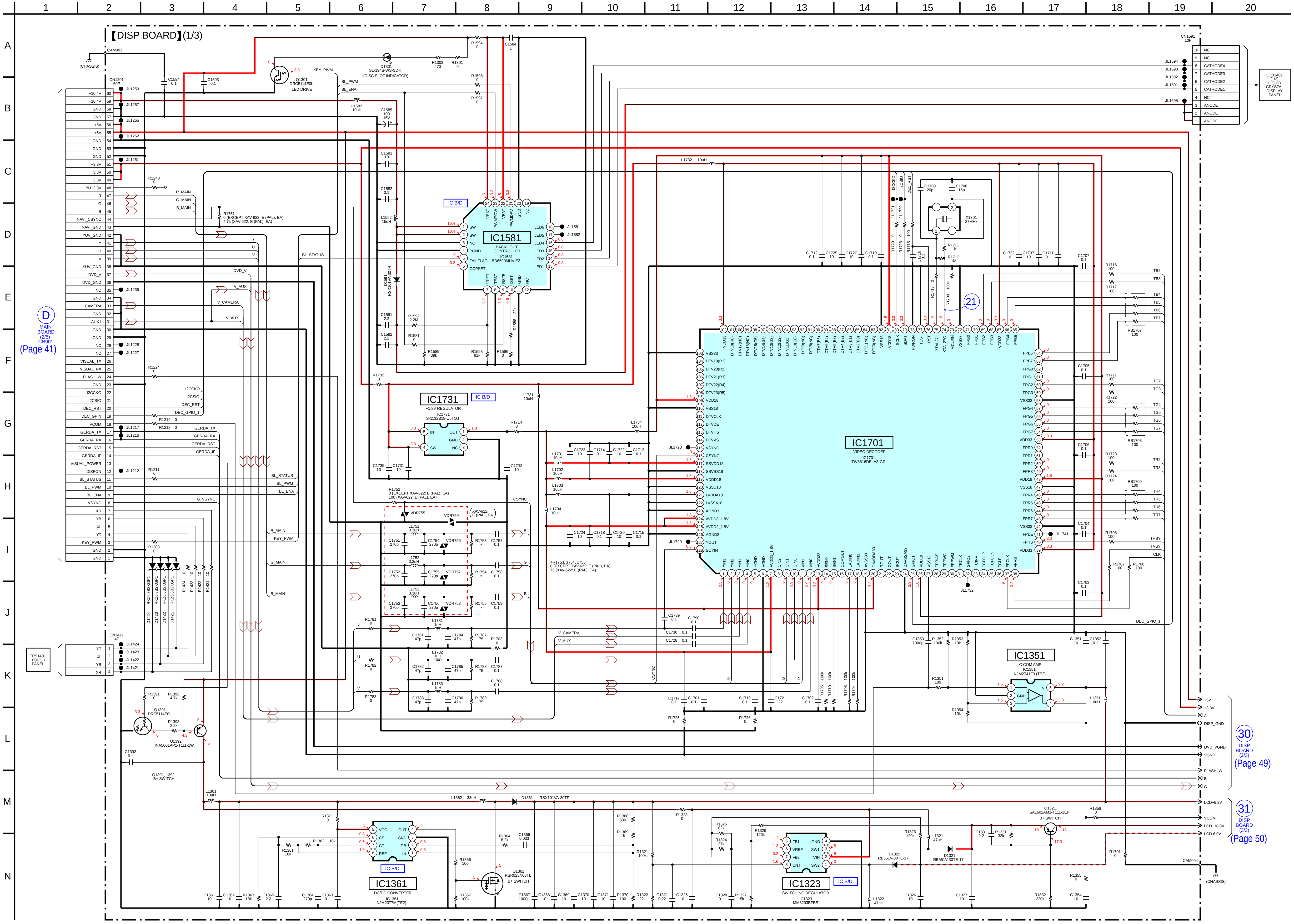


Note 1: CN102 and IC1581 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Note 2: When BT board is detective, exchange the complete mounted board.

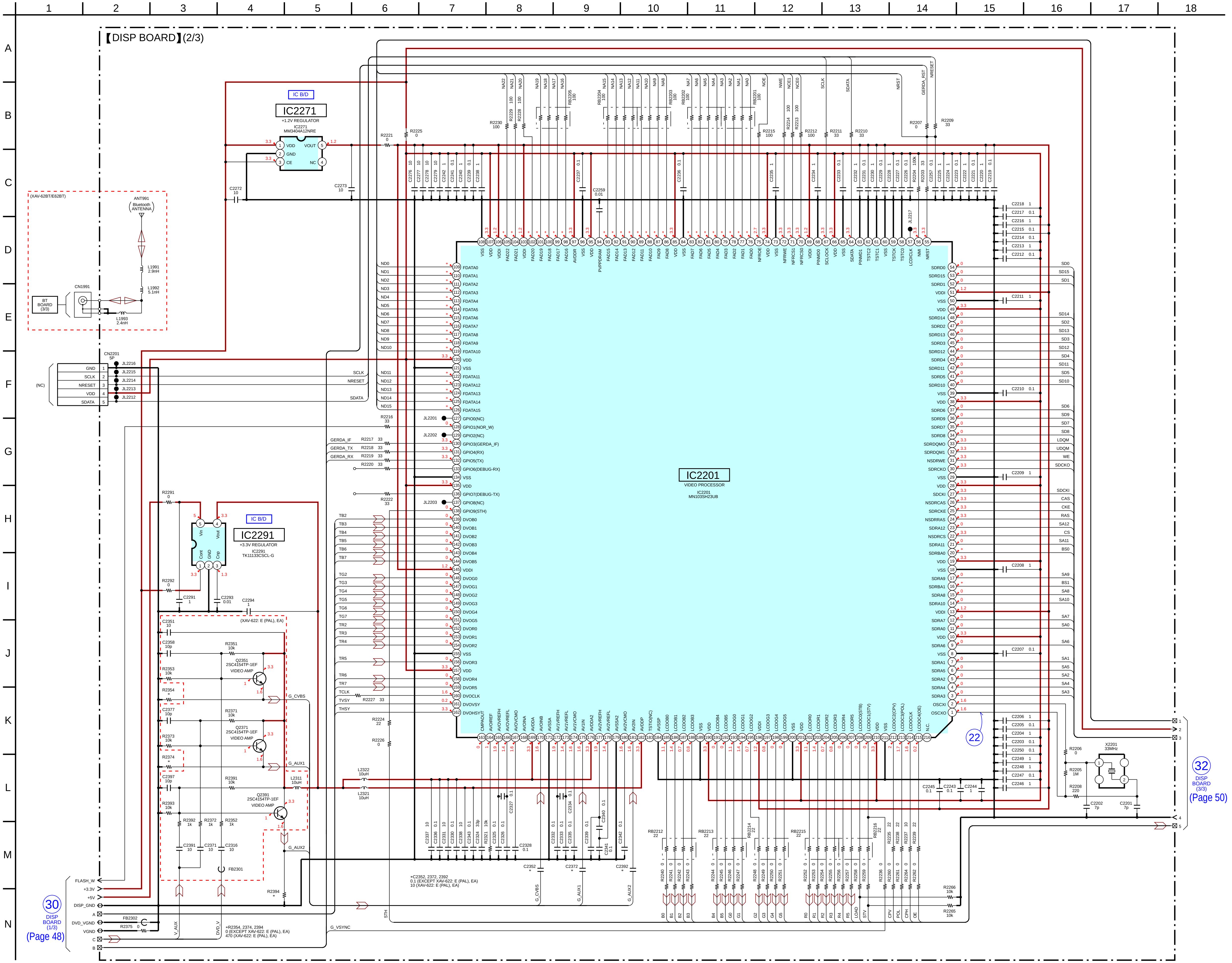
5-21. SCHEMATIC DIAGRAM - DISPLAY Section (1/3) -

• See page 52 for Waveforms. • See page 52 for IC Block Diagrams. • See page 61 for IC Pin Function Description.



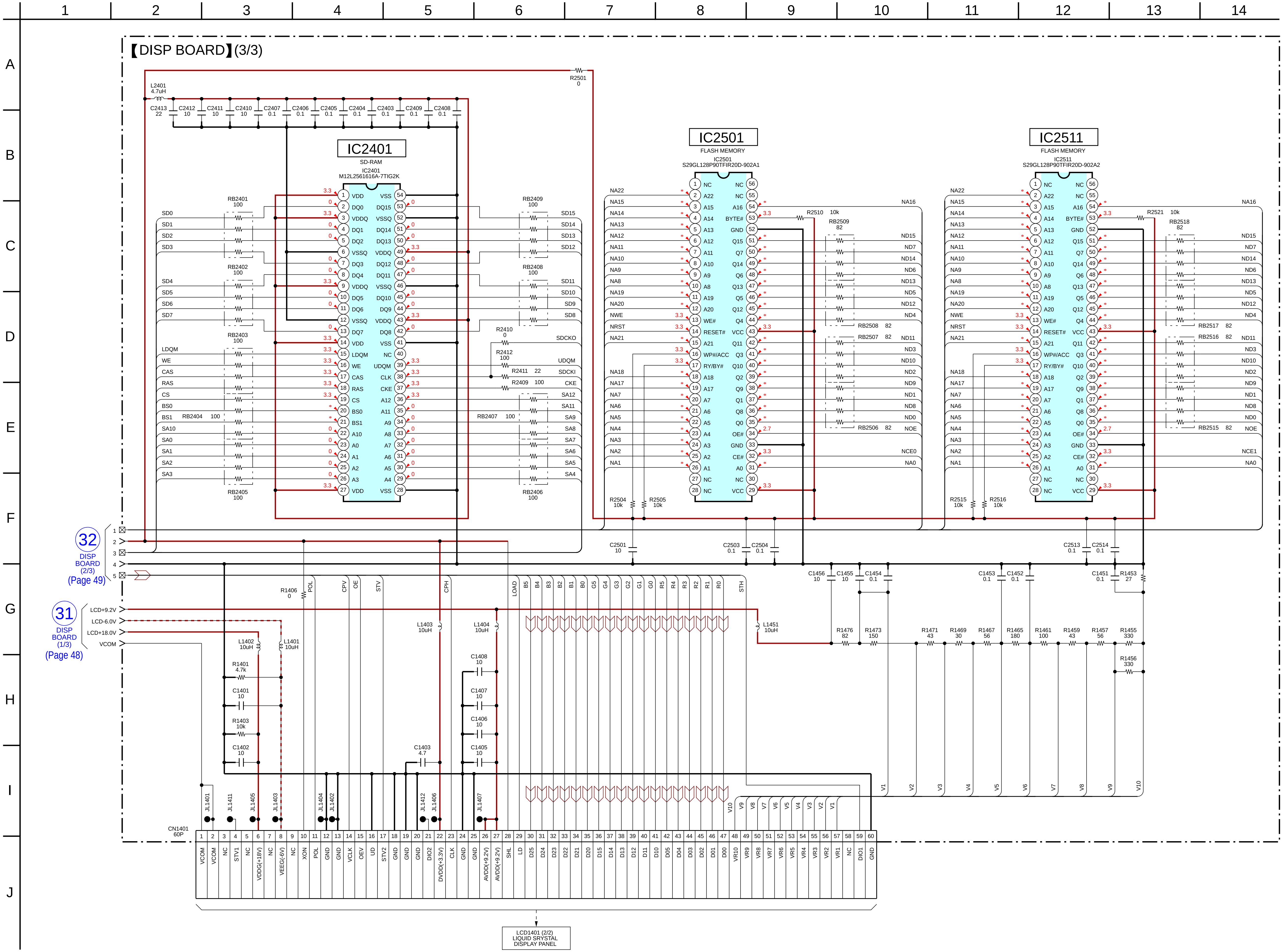
Note: CN1201 and IC1581 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

5-22. SCHEMATIC DIAGRAM - DISPLAY Section (2/3) - • See page 52 for Waveforms. • See page 52 for IC Block Diagrams. • See page 61 for IC Pin Function Description.



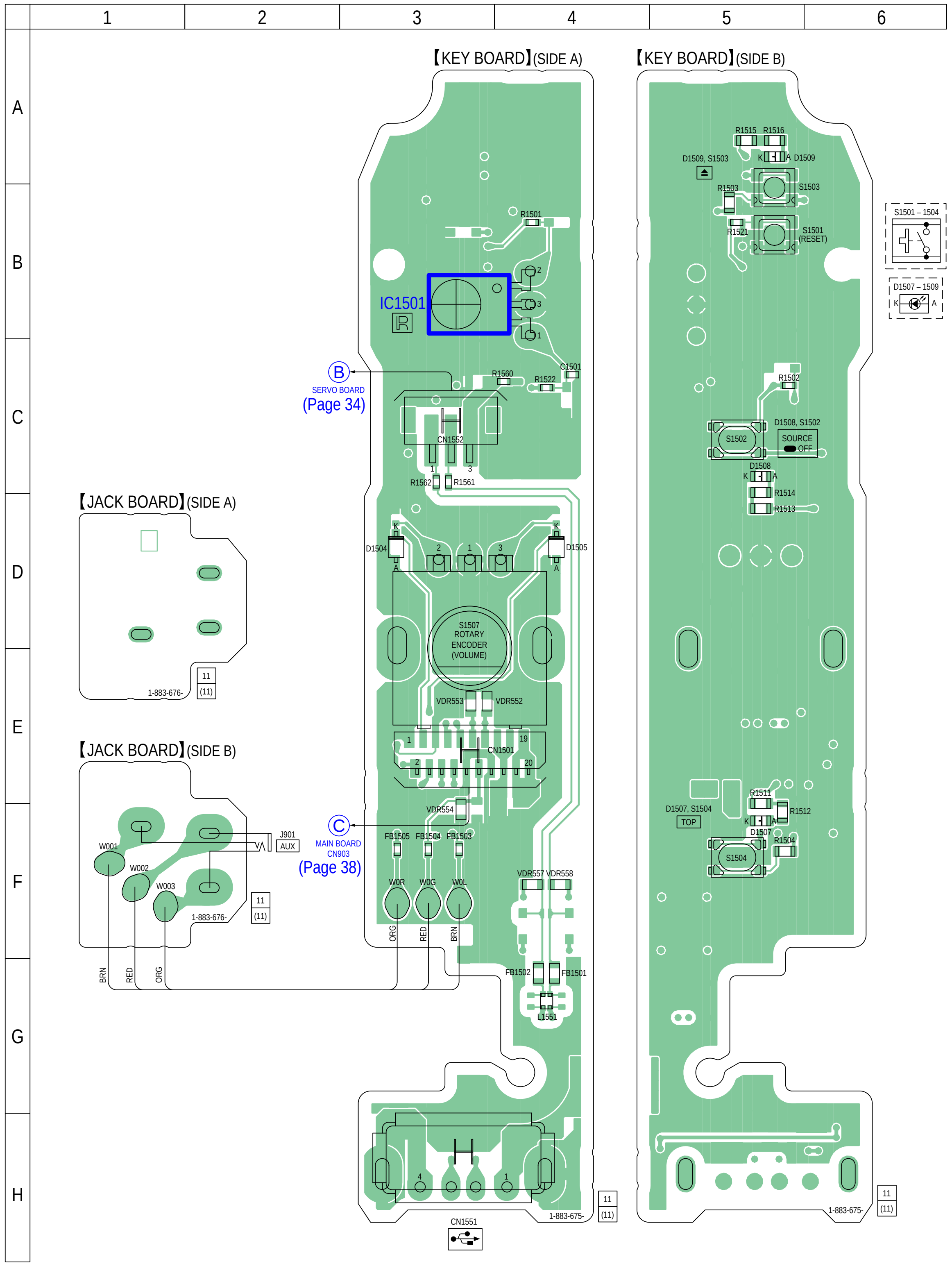
Note: When BT board is detective, exchange the complete mounted board.

5-23. SCHEMATIC DIAGRAM - DISPLAY Section (3/3) -

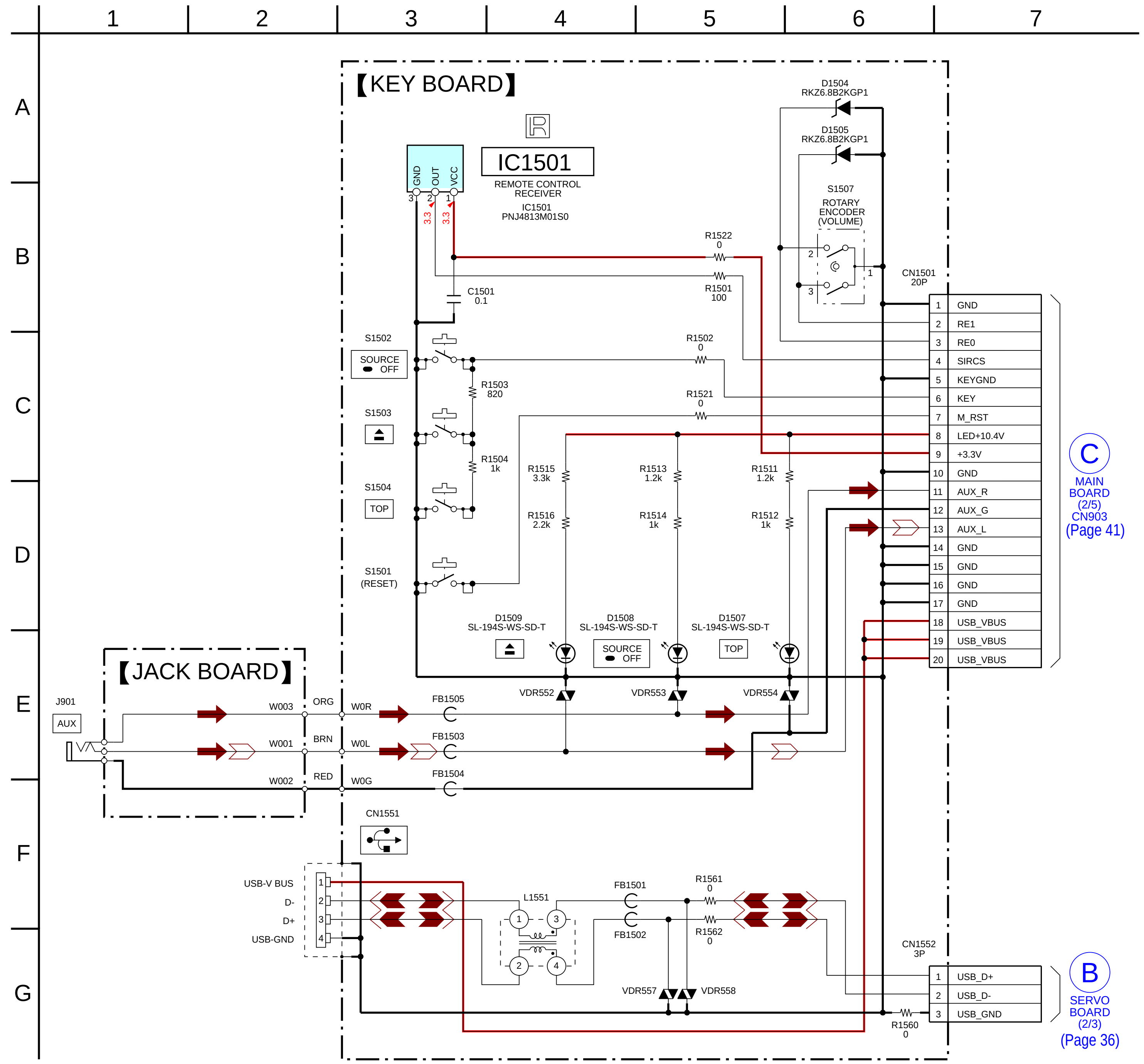


5-24. PRINTED WIRING BOARDS - JACK, KEY Boards -

• See page 33 for Circuit Boards Location. • : Uses unleaded solder.



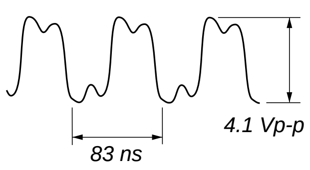
5-25. SCHEMATIC DIAGRAM - JACK, KEY Boards -



- **Waveforms**

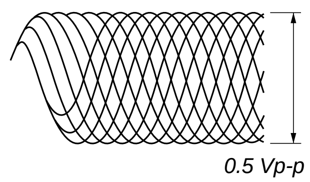
– SERVO Board –

① IC4 ㊵ (USBXO)



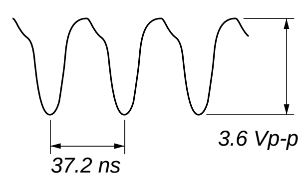
2 V/DIV, 50 ns/DIV

⑦ IC4 (157) (RFP), (158) (RFN) (DVD play mode)



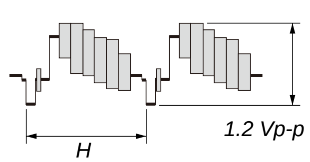
200 mV/DIV, 200 ns/DIV

② IC4 (145) (XO)



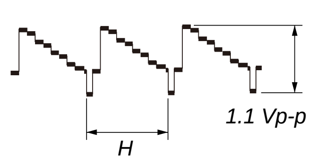
2 V/DIV, 20 ns/DIV

③ IC4 (151) (DAC3) (Color bar)



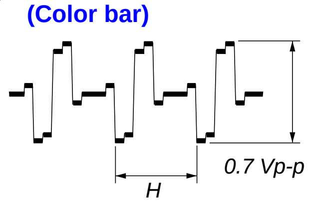
500 mV/DIV, 20 µs/DIV

④ IC4 (149) (DAC4) (Color bar)



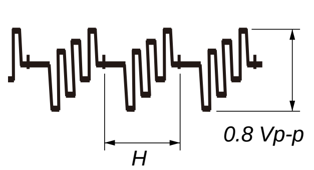
500 mV/DIV, 10 µs/DIV

⑤ IC4 (152) (DAC2) (Color bar)



200 mV/DIV, 10 µs/DIV

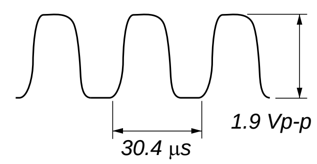
⑥ IC4 (154) (DAC1) (Color bar)



200 mV/DIV, 10 µs/DIV

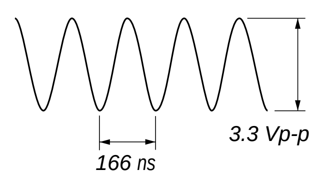
– MAIN Board –

⑪ IC502 ⑨ (XCOUT)



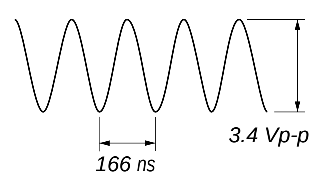
1 V/DIV, 20 µs/DIV

⑫ IC502 ⑪ (XOUT)



1 V/DIV, 100 ns/DIV

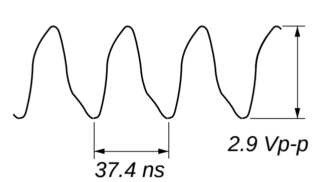
⑬ IC402 ⑬ (XOUT)



1 V/DIV, 100 ns/DIV

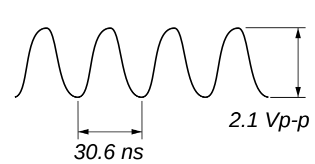
– DISP Board –

㉑ IC1701 ㉔ (XTAL27O)



2 V/DIV, 20 ns/DIV

㉒ IC2201 ① (OSCXO)

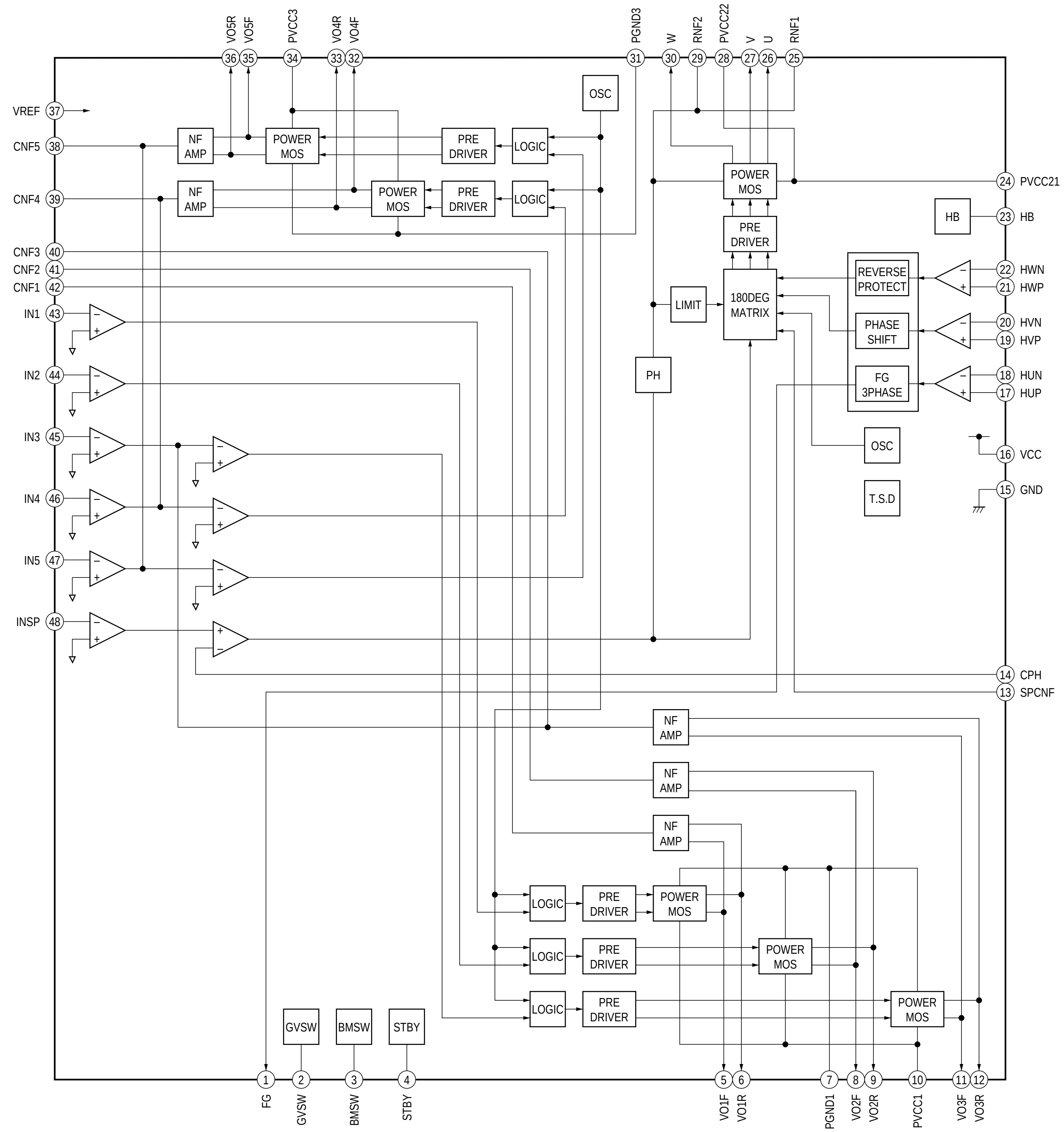


1 V/DIV, 20 ns/DIV

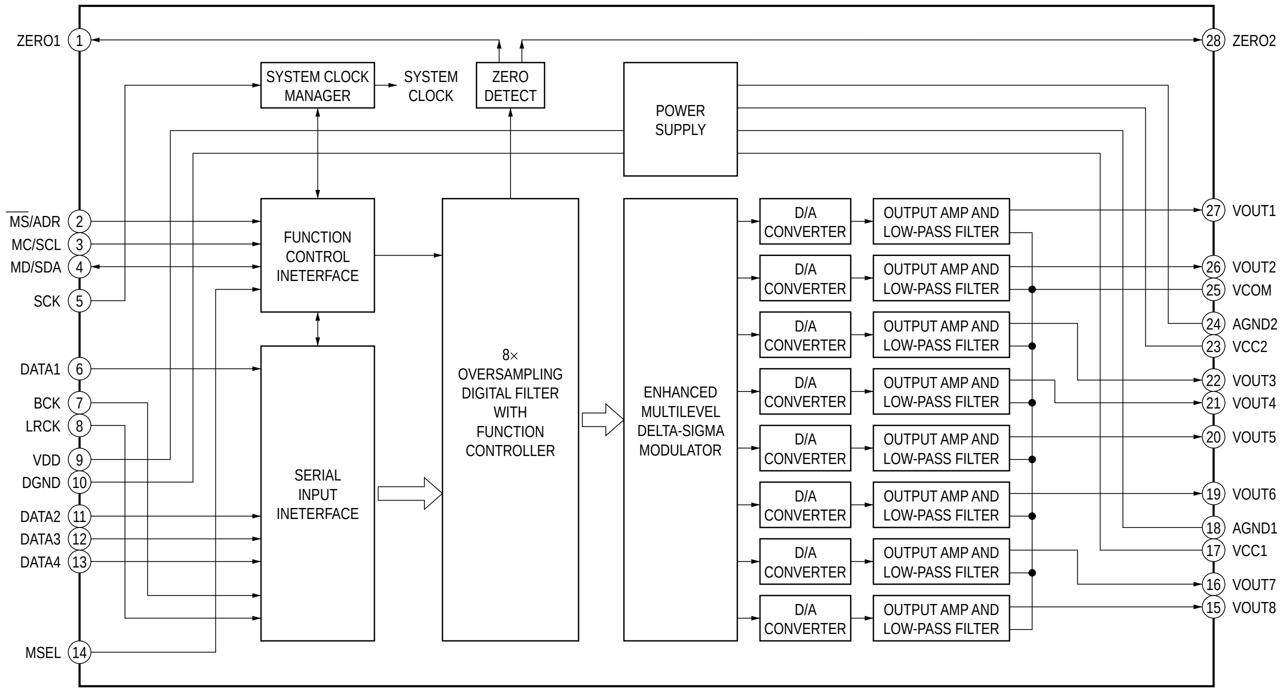
- **IC Block Diagrams**

– SERVO Board –

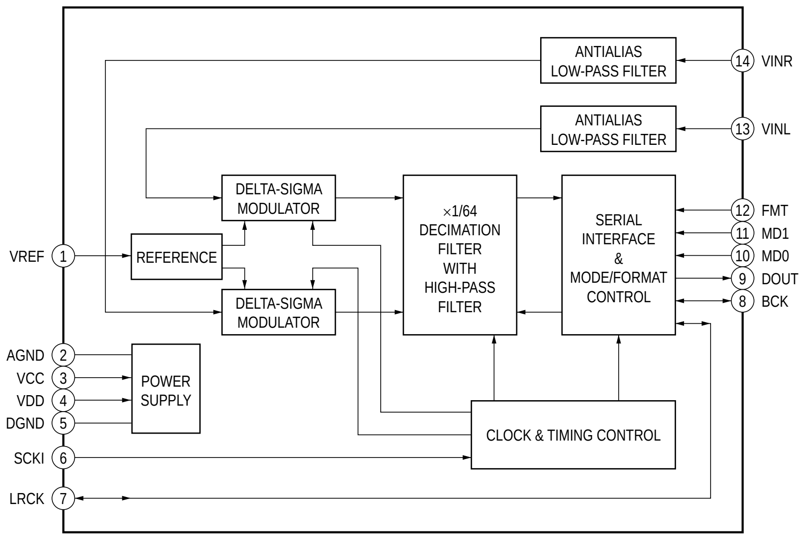
IC1 BH5510KV-E2



IC6 PCM1680DBQ

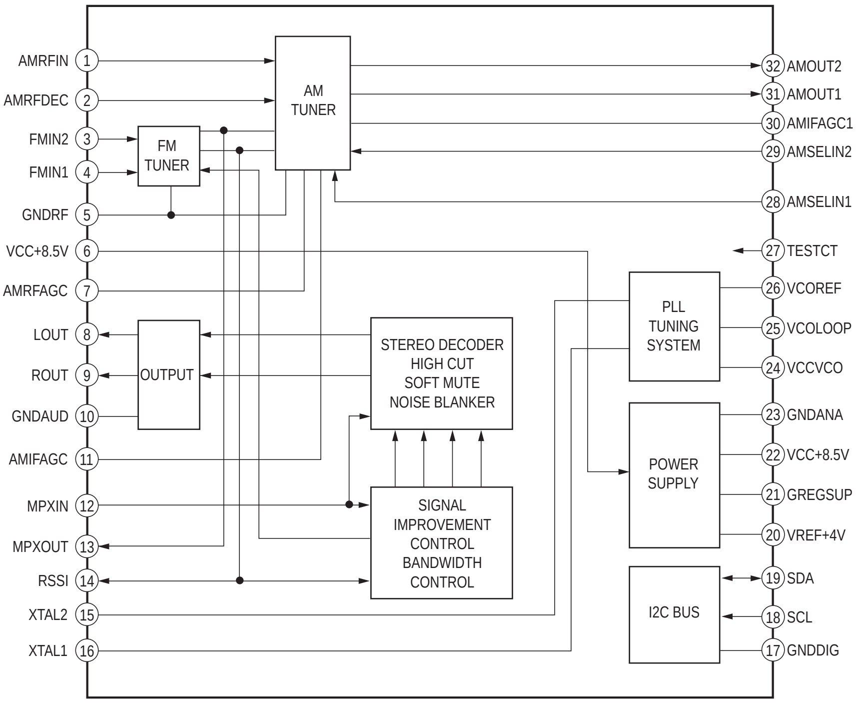


IC7 PCM1808PWR

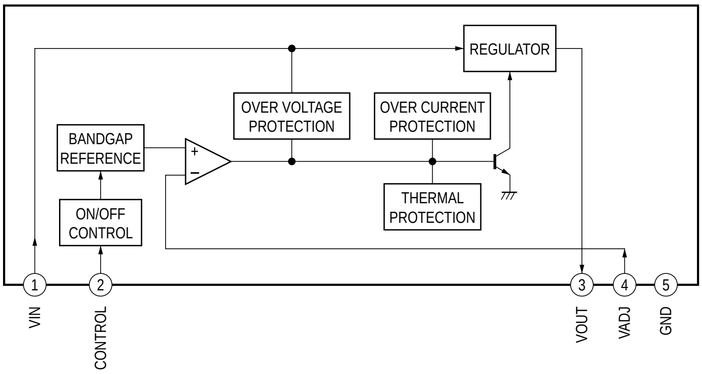


– MAIN Board –

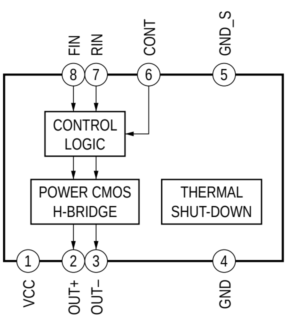
IC1 TEF6617T/V1/S470, 518



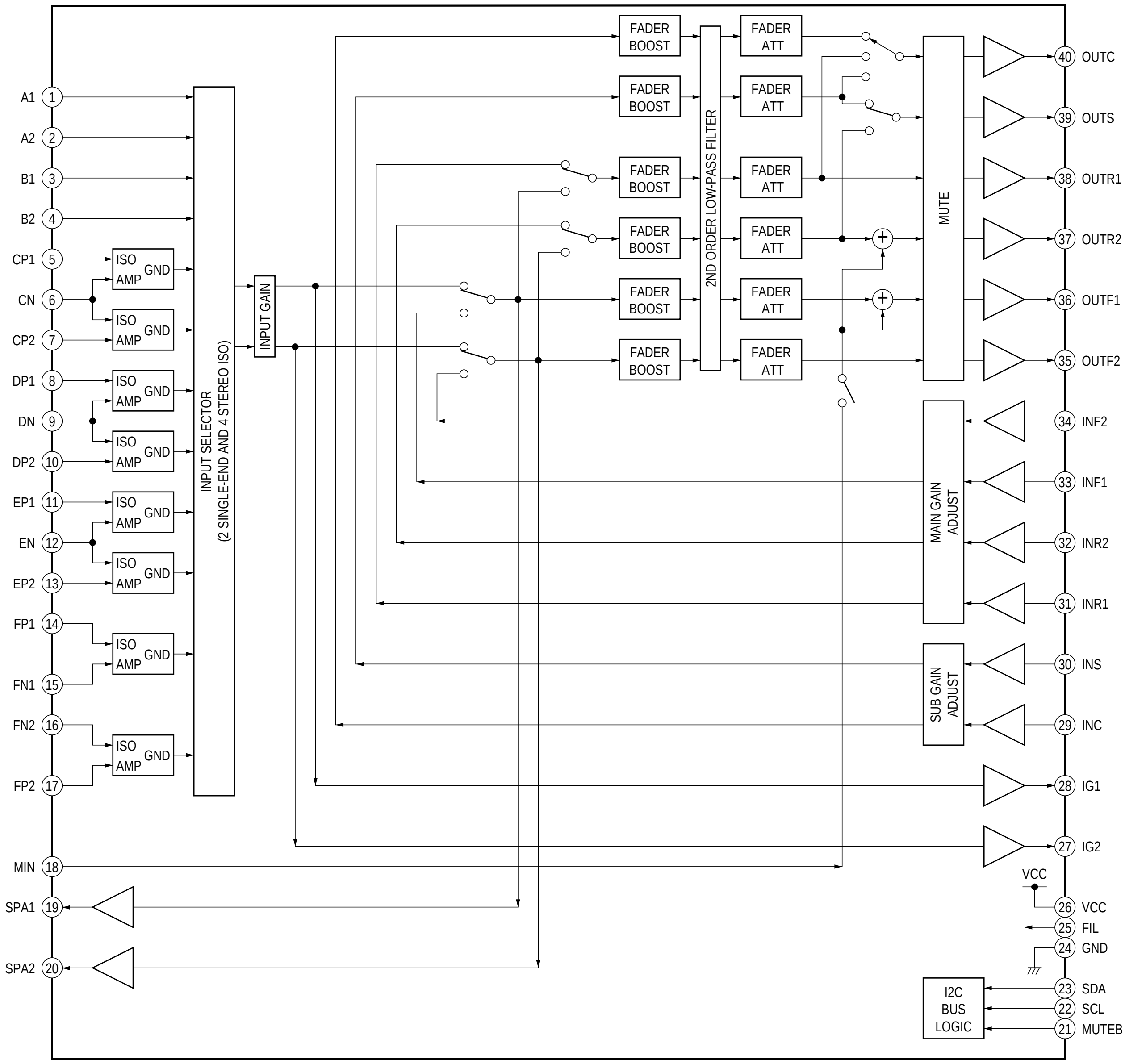
IC101 NJM2387ADL3 (TE2)



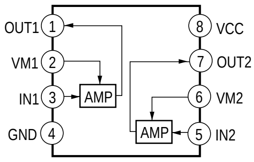
IC102 BD7931F



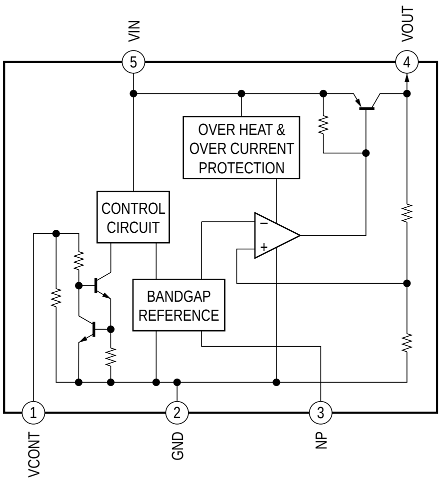
IC301 BD3467FV-E2



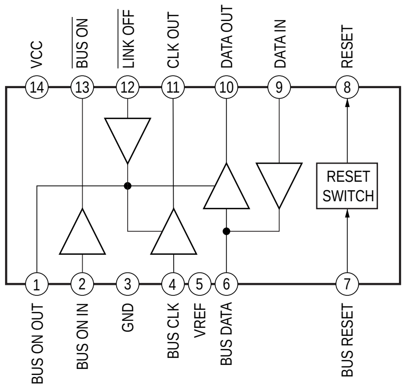
IC451 BA3121F



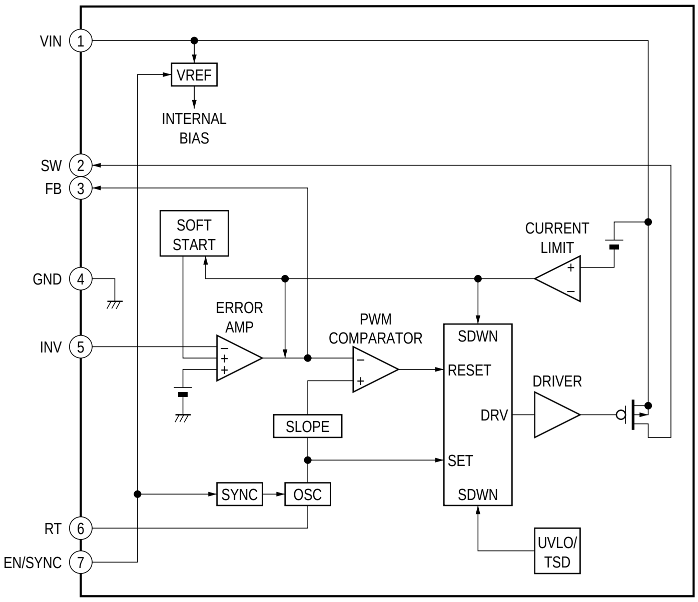
IC503 TK11133CSCL-G



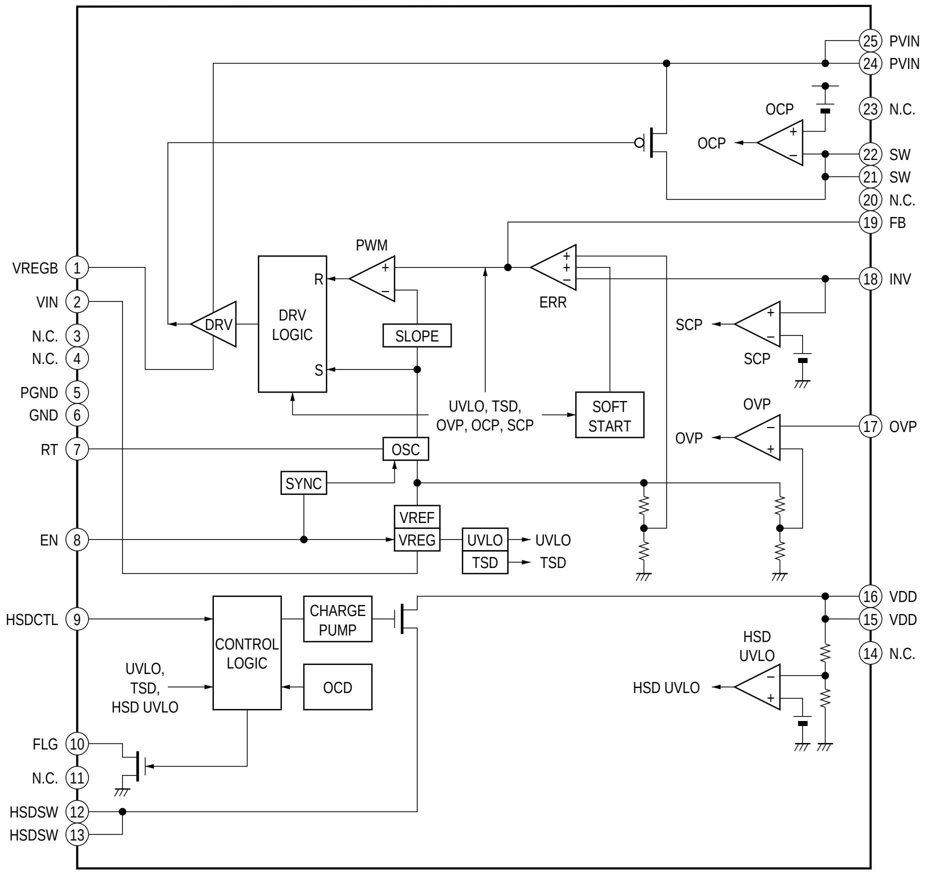
IC601 BA8271F-E2



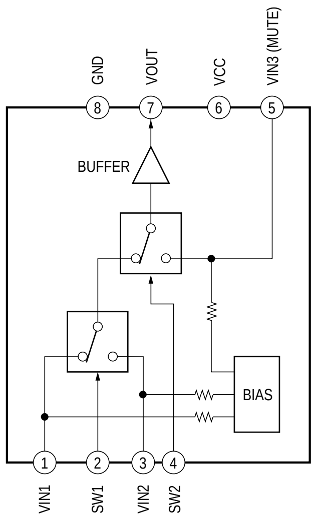
IC602 BD9007HFP-TR



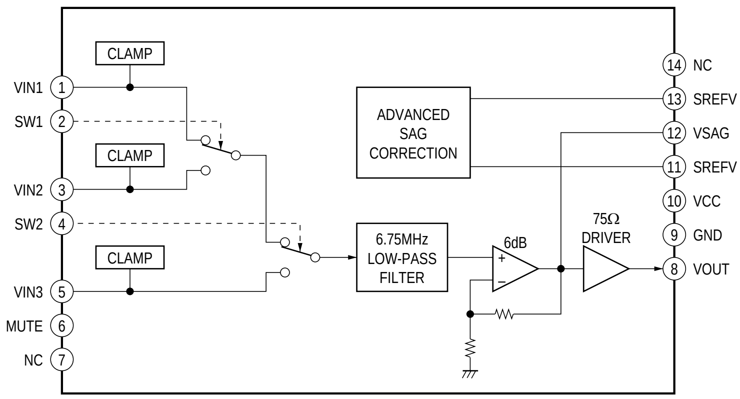
IC603 BD9070FP-E2



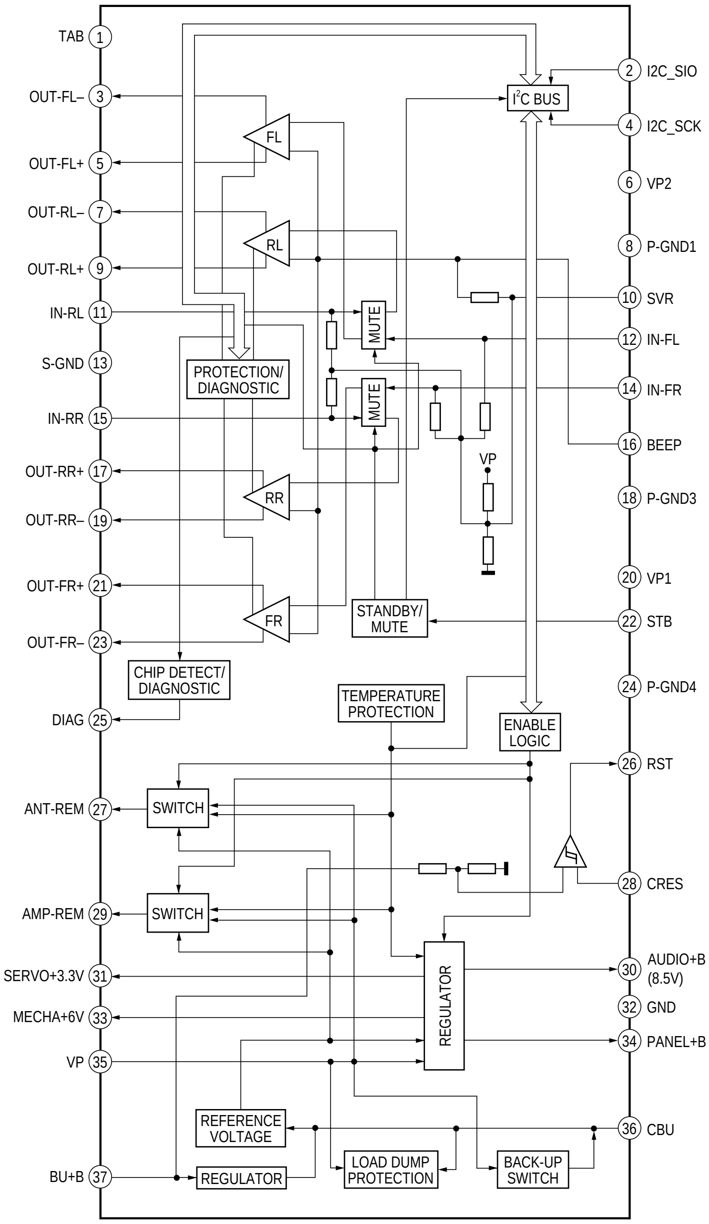
IC701 NJM2534M (TE2)



IC703 NJM41050V (TE2)

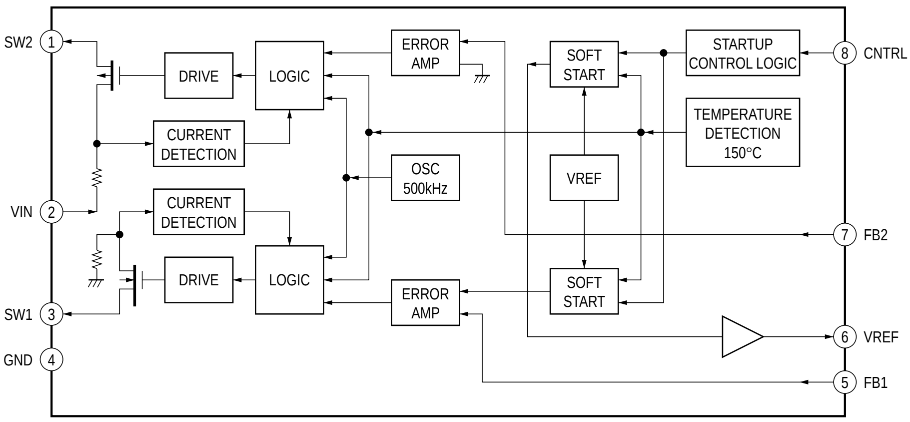


IC801 TDF8556AJ/N3

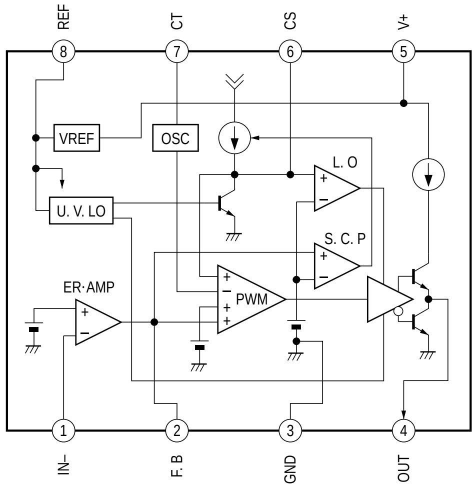


– DISP Board –

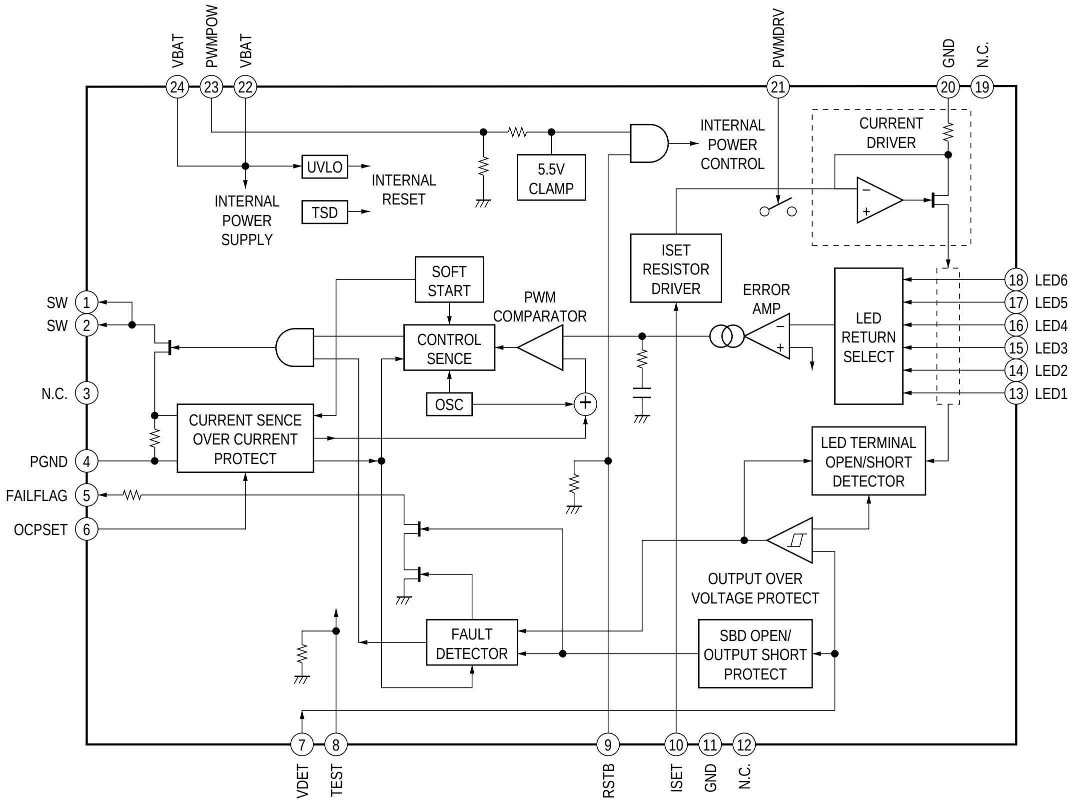
IC1323 MM3203BFBE



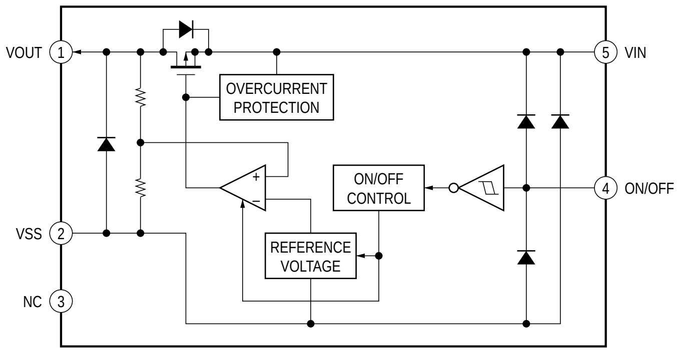
IC1361 NJM2377M (TE2)



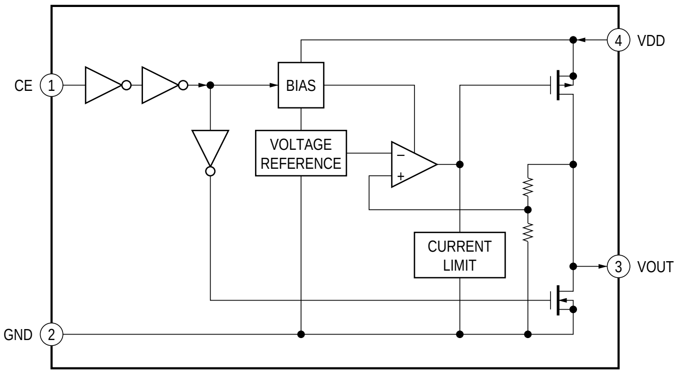
IC1581 BD6590MUV-E2



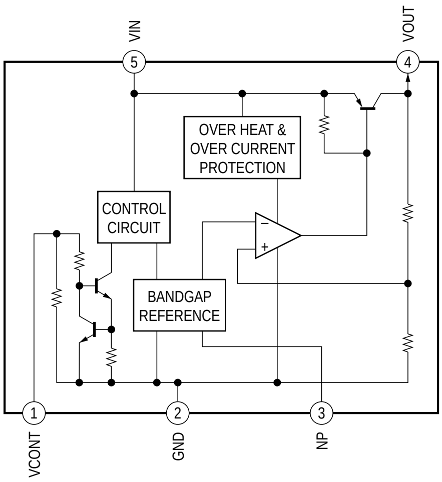
IC1731 S-1132B18-U5T1G



IC2271 MM3404A12NRE



IC2291 TK11133CSCL-G



- **IC Pin Function Description**

SERVO BOARD IC4 ZR36988HQCG-AN (DVD PROCESSOR)

Pin No.	Pin Name	I/O	Description
1 to 9	MEMDAT2 to MEMDAT7, MEMDAT13 to MEMDAT15	I/O	Two-way data bus with the flash memory
10	VDDC	-	Power supply terminal (+1.8V)
11	VDDP	-	Power supply terminal (+3.3V)
12	MEMADD16	O	Address signal output to the flash memory
13	MEMCS1	O	Chip select signal output to the flash memory
14 to 21	MEMADD15 to MEMADD8	O	Address signal output to the flash memory
22	MEMWR#	O	Write enable signal output to the flash memory
23 to 29	MEMADD18, MEMADD17, MEMADD7 to MEMADD3	O	Address signal output to the flash memory
30	VDDP	-	Power supply terminal (+3.3V)
31 to 33	MEMADD2, MEMADD1, MEMADD19	O	Address signal output to the flash memory
34	USBVBUS	-	USB VBUS terminal Not used
35	USBID	I/O	USB identification signal input/output terminal Not used
36	USBVDDA3P3	-	Power supply terminal (+3.3V)
37	USBDP	I/O	Two-way USB data (positive) with the USB connector
38	USBDN	I/O	Two-way USB data (negative) with the USB connector
39	USBREF	O	USB reference voltage output terminal Not used
40	USBXO	O	System clock output terminal (12 MHz) (for USB)
41	USBXI	I	System clock input terminal (12 MHz) (for USB)
42	USBVSSPLL	-	Ground terminal
43	USBVDDPLL1V8	-	Power supply terminal (+1.8V)
44 to 46	RAMADD3 to RAMADD5	O	Address signal output to the SD-RAM
47	VDDIP	-	Power supply terminal (+3.3V)
48 to 51	RAMADD2, RAMADD6, RAMADD1, RAMADD7	O	Address signal output to the SD-RAM
52	VDDC	I	Power supply terminal (+1.8V)
53 to 55	RAMADD0, RAMADD8, RAMADD10	O	Address signal output to the SD-RAM
56	VDDP	-	Power supply terminal (+3.3V)
57	GNDC	-	Ground terminal
58, 59	RAMADD9, RAMADD11	O	Address signal output to the SD-RAM
60	RAMCS0#	O	Chip select signal output to the SD-RAM
61	RAMBA	O	Bank address signal output to the SD-RAM
62	RAMCS1#	O	Chip select signal output to the SD-RAM
63	RAMRAS#	O	Row address signal output to the SD-RAM
64	RAMCAS#	O	Column address signal output to the SD-RAM
65	VDDP	-	Power supply terminal (+3.3V)
66	GNDC	-	Ground terminal
67	RAMWE#	O	Write enable signal output to the SD-RAM
68	RAMDQM	O	Data mask signal output to the SD-RAM
69	GNDPCLK	-	Ground terminal
70	PCLK	O	Clock signal output to the SD-RAM
71	VDDPCLK	-	Power supply terminal (+3.3V)
72 to 75	RAMDAT9 to RAMDAT6	I/O	Two-way data bus with the SD-RAM
76	VDDP	-	Power supply terminal (+3.3V)
77	GNDC	-	Ground terminal

Pin No.	Pin Name	I/O	Description
78 to 83	RAMDAT10 to RAMDAT12, RAMDAT5 to RAMDAT3	I/O	Two-way data bus with the SD-RAM
84	VDDP	-	Power supply terminal (+3.3V)
85	GNDC	-	Ground terminal
86, 87	RAMDAT13, RAMDAT2	I/O	Two-way data bus with the SD-RAM
88	VDDC	-	Power supply terminal (+1.8V)
89 to 92	RAMDAT14, RAMDAT1, RAMDAT15, RAMDAT2	I/O	Two-way data bus with the SD-RAM
93	VDDP	-	Power supply terminal (+3.3V)
94	CD_DVD#	O	CD/DVD selection signal output to the optical pick-up block "L": DVD, "H": CD
95	GNDC	-	Ground terminal
96	DRVSTB	O	Standby signal output to the coil/motor driver
97	SPDIF_OUT	O	S/PDIF signal output terminal Not used
98	ALRCLK	O	L/R sampling clock signal output to the D/A converter and A/D converter
99	ABCLK	O	Bit clock signal output to the D/A converter and A/D converter
100	AMUTE	O	Audio muting on/off control signal output terminal "H": muting on
101	ML	O	Serial data latch pulse signal output to the D/A converter
102	MC	O	Serial data transfer clock signal output to the D/A converter
103	MD	O	Serial data output to the D/A converter
104	AIN	I	Digital audio signal input from the A/D converter
105	VDDAPWM	-	Power supply terminal (+3.3V)
106	OP_GAIN	O	Gain control signal output to the optical pick-up block
107	CP_DATA_IN	I	Serial data input from the EEPROM
108	CP_DATA_OUT	O	Serial data output to the EEPROM
109	CP_CLK	O	Serial data transfer clock signal output to the EEPROM
110	GNDAPWM	-	Ground terminal
111	HOMESW	I	Limit switch input terminal
112	AOUT2	O	Digital audio signal output to the D/A converter
113	NC	-	Not used
114	AOUT1	O	Digital audio signal output to the D/A converter
115	NC	-	Not used
116	AOUT0	O	Digital audio signal output to the D/A converter
117	GNDC	-	Ground terminal
118	AMCLK	O	Master clock signal output to the D/A converter and A/D converter
119	VDDP	-	Power supply terminal (+3.3V)
120, 121	NC	-	Not used
122	VCLK2	O	Digital video clock signal output terminal Not used
123 to 130	VID7 to VID0	O	Digital video data output terminal Not used
131	FG_IN	I	FG signal input from the coil/motor driver
132, 133	NC	-	Not used
134	IRRCV	-	Not used
135	VDDP	-	Power supply terminal (+3.3V)
136	DUPTD0	O	Main debug UART data output terminal Not used
137	DUPRD0	I	Main debug UART data input terminal Not used
138	DUPTD1	O	Main debug UART data output terminal Not used
139	DUPRD1	I	Main debug UART data input terminal Not used
140	VDDC	-	Power supply terminal (+1.8V)
141	GNDC	-	Ground terminal
142	RESET#	I	Reset signal input from the master controller "L": reset
143	GNDPLL	-	Ground terminal
144	VDDPLL	-	Power supply terminal (+1.8V)
145	XO	O	System clock signal output terminal (27 MHz)
146	XI	I	System clock signal input terminal (27 MHz)
147	DAC5	O	Analog video signal output terminal Not used
148	GNDDAC_D	-	Ground terminal

Pin No.	Pin Name	I/O	Description
149	DAC4	O	Analog YUV video signal (Y) output to the video decoder
150	VDDDAC	-	Power supply terminal (+3.3V)
151	DAC3	O	Analog composite video signal (CVBS) output to the video amplifier and video processor
152	DAC2	O	Analog YUV video signal (V) output to the video decoder
153	VDDDAC	-	Power supply terminal (+3.3V)
154	DAC1	O	Analog YUV video signal (U) output to the video decoder
155	RSET	I	Gain adjust signal input terminal Not used
156	GNDDACBS2	-	Ground terminal
157	RFP	I	RF signal (positive) input from the optical pick-up block
158	RFN	I	RF signal (negative) input from the optical pick-up block
159	VDD1AFE	-	Power supply terminal (+3.3V)
160	A	I	A signal input from the optical pick-up block
161	B	I	B signal input from the optical pick-up block
162	VDDAFE	-	Power supply terminal (+3.3V)
163	C	I	C signal input from the optical pick-up block
164	D	I	D signal input from the optical pick-up block
165	J	I	J signal input terminal Not used
166	E	I	E signal input from the optical pick-up block
167	K	I	K signal input terminal Not used
168	F	I	F signal input from the optical pick-up block
169	GNDAFE	-	Ground terminal
170	G	I	G signal input terminal Not used
171	H	I	H signal input terminal Not used
172	GND1AFE	-	Ground terminal
173	VC	O	Reference voltage (+1.65V) output to the optical pick-up block
174	VREF	-	External capacitor connection terminal for internal band-gap voltage generation
175	RESOUT	-	External resistor connection terminal for internal reference voltage generation
176	GNDREF	-	Ground terminal
177	VDDSAFE	-	Power supply terminal (+3.3V)
178	CD_MD	I	Light amount monitor input from the laser diode of optical pick-up block (for CD)
179	DVD_MD	I	Light amount monitor input from the laser diode of optical pick-up block (for DVD)
180	CD_LD	O	Laser diode on/of control signal output terminal (for CD) "H": laser diode on
181	DVD_LD	O	Laser diode on/of control signal output terminal (for DVD) "H": laser diode on
182	FOCUS_PWM	O	Focus coil drive signal output terminal
183	VDDPWM	-	Power supply terminal (+3.3V)
184	TRACK_PWM	O	Tracking coil drive signal output terminal
185	GNDPWM	-	Ground terminal
186	SPDL_PWM	O	Spindle motor drive signal output terminal
187, 188	STB, STA	O	Sled motor drive signal output terminal
189	NC	-	Not used
190	VDDC	-	Power supply terminal (+1.8V)
191	GNDC	-	Ground terminal
192	SEN	I	Clear to send signal input from the master controller
193	REQ	O	Request to send signal output to the master controller
194	DUPTD2 for MASTER	O	Serial data output to the master controller
195	DUPRD2 for MASTER	I	Serial data input from the master controller
196, 197	TP0 for DEBUG, TP1 for DEBUG	-	Not used
198 to 200	MEMDAT10 to MEMDAT12	I/O	Two-way data bus with the flash memory
201	MEMADD0	O	Address signal output to the flash memory
202	MEMCS0#	O	Chip select signal output terminal Not used
203	MEMRD#	O	Read enable signal output to the flash memory
204 to 207	MEMDAT0, MEMDAT8, MEMDAT1, MEMDAT9	I/O	Two-way data bus with the flash memory
208	VDDC	-	Power supply terminal (+1.8V)

MAIN BOARD IC402 R5F364A6DZ99FA (VISUAL CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	NCO	O	Not used
3	VCOM_AMP	O	VCOM amp voltage control signal output terminal Not used
4	VCOM_BIAS	O	VCOM bias voltage control signal output terminal
5 to 7	NCO	O	Not used
8	BYTE	I	External data bus width selection signal input terminal Fixed at “L” (16 bit) in this unit
9	FLASH_W	I	Flash writing terminal “L”: normally operation mode, “H”: writing mode
10	XCIN	I	Low-speed system clock input terminal Not used
11	XCOUT	O	Low-speed system clock output terminal Not used
12	RESET	I	Reset signal input from the master controller and reset signal generator “L”: reset
13	XOUT	O	High-speed system clock output terminal (6 MHz)
14	VSS	-	Ground terminal
15	XIN	I	High-speed system clock input terminal (6 MHz)
16	VCC	-	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt signal input terminal Fixed at “H” in this unit
18	MASTER_IF	I	Communication start signal input from the master controller
19	CPV	I	Vertical sync signal input from the video processor
20, 21	NCO	O	Not used
22	VISUAL_Rx	I	Serial data input from the master controller
23	NCO	O	Not used
24	VISUAL_Tx	O	Serial data output to the master controller
25	NCO	O	Not used
26	KEY_PWM	O	LED drive signal output terminal for front panel key illumination
27	BL_ENA	O	LED drive signal output to the backlight controller for liquid crystal display back light “H”: LED on
28	BL_PWM	O	Dimmer control signal output to the backlight controller for liquid crystal display back light
29	I2CKO	O	I2C clock signal output to the video decoder
30	I2CSIO	I/O	Two-way I2C data bus with the video decoder
31	FLASH_TX	O	Serial data output to the flash writing connector
32	FLASH_RX	I	Serial data input from the flash writing connector
33	F_CLK	O	Serial data transfer clock signal output terminal at the flash writing mode
34	BUSY	O	Busy signal output terminal at the flash writing mode
35	NAVI_Tx	O	Serial data output to the EXT connector for external navigation (XAV-622: E (PAL) and Saudi Arabia models)
36	NAVI_Rx	I	Serial data input from the EXT connector for external navigation (XAV-622: E (PAL) and Saudi Arabia models)
37	NAVI_DET	I	External navigation detection signal input terminal “L”: navigation is detected (XAV-622: E (PAL) and Saudi Arabia models)
38	NCO	O	Not used
39	BL_STATUS	I	Power converter status input from the backlight controller
40	NCO	O	Not used
41	HOLD	I	External data bus terminal at the flash writing mode Fixed at “L” in this unit
42	DEC_GPIO_1	I	Non-input signal detection signal input from the video decoder “L”: non-input signal is detected
43	NCO	O	Not used
44	DEC_RST	O	Reset signal output to the video decoder “L”: reset
45	NCO	O	Not used
44	WRI/WR	I	External data bus terminal at the flash writing mode Fixed at “H” in this unit
47 to 61	NCO	O	Not used
62	VCC	-	Power supply terminal (+3.3V)
63	DISPON	O	Power supply on/off control signal output terminal for liquid crystal display
64	VSS	-	Ground terminal
65	VMUTE	O	Video muting on/off control signal output to the video amplifier for REAR VIDEO OUT “L”: muting on
66	VSW_0	O	Video signal selection signal output to the video amplifier “L”: DVD, “H”: AUX
67	A/V_SEL	O	AUX audio/video selection signal output terminal “L”: audio, “H”: video
68	AUX_SEL	O	AUX video signal selection signal output to the video selector “L”: AUX, “H”: AUX VIDEO IN
69 to 76	NCO	O	Not used
77	GERDA_Tx	O	Serial data output to the video processor
78	GERDA_RX	I	Serial data input from the video processor
79	GERDA_RST	O	Reset signal output to the video processor and flash memory “L”: reset

Pin No.	Pin Name	I/O	Description
80	GERDA_IF	O	Communication start signal output to the video processor
81 to 79	NCO	O	Not used
84	TP_Y	I	Y axis input from the touch panel switch
85	TP_X	I	X axis input from the touch panel switch
86 to 92	NCO	O	Not used
93	TP_WAIT	O	Touch panel wait signal output terminal
94	X_SEL	O	X axis selection signal output terminal for touch panel switch
95	Y_SEL	O	Y axis selection signal output terminal for touch panel switch
96	AVSS	-	Ground terminal
97	NCO	O	Not used
98	VREF	I	Reference voltage (+3.3V) input terminal (for A/D converter)
99	AVCC	-	Power supply terminal (+3.3V)
100	NCO	O	Not used

MAIN BOARD IC502 R5F364AMDZ98FB (MASTER CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	NCO	O	Not used
2	SIRCS	I	SIRCS signal input from the remote control receiver
3	BT_MODEL_SEL	I	Model (Bluetooth) setting terminal “H”: Bluetooth is set “L”: XAV-622/E622, “H”: XAV-62BT/E62BT
4	NCO	O	Not used
5	NCO	O	Not used
6	BYTE	I	External data bus width selection signal input terminal Fixed at “L” (16 bit) in this unit
7	FLASH_W	I	Flash writing terminal “L”: normally operation mode, “H”: writing mode
8	XCIN	I	Low-speed system clock input terminal (32.768 kHz)
9	XCOUT	O	Low-speed system clock output terminal (32.768 kHz)
10	RESET	I	System reset signal input from the reset signal generator and reset switch “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it change to “H”
11	XOUT	O	High-speed system clock output terminal (6 MHz)
12	VSS	-	Ground terminal
13	XIN	I	High-speed system clock input terminal (6 MHz)
14	VCC	-	Power supply terminal (+3.3V)
15	NMI	I	Non-maskable interrupt signal input terminal Fixed at “H” in this unit
16	VISUAL_IF	O	Communication start signal output to the visual controller
17	VISUAL_RESET	O	Reset signal output to the visual controller “L”: reset
18	VISUAL_POWER	O	Visual power on/off control signal output to the power controller “H”: power on
19	REVERSE_IN	I	Reverse shift position detection signal input terminal “L”: reverse shift position
20	FSW_OUT	O	External sync signal output to the switching regulator, backlight controller and power control- ler
21	VOL_ATT	O	Audio muting on/off control signal output to the audio processor “L”: muting on
22	NCO	O	Not used
23	MODEL_SEL	I	Model (navigation) setting terminal “H”: navigation is unit “L”: Except XAV-622: E (PAL) and Saudi Arabia models, “H”: XAV-622: E (PAL) and Saudi Arabia models
24	ZAPPIN	O	ZAPPIN beep sound output to the audio processor
25	STB	O	Standby signal output to the power amplifier “L”: standby
26	BEEP	O	Beep sound output to the power amplifier
27	I2CKO	O	I2C clock signal output to the FM/AM PLL, audio processor, EEPROM and power amplifier
28	I2CSIO	I/O	Two-way I2C data bus with the FM/AM PLL, audio processor, EEPROM and power amplifier
29	FLASH_TX	O	Serial data output to the flash writing connector
30	FLASH_RX	I	Serial data input from the flash writing connector
31	F_CLK	O	Serial data transfer clock signal output terminal at the flash writing mode
32	BUSY	O	Busy signal output terminal at the flash writing mode
33	VISUAL_TX	O	Serial data output to the visual controller
34	VISUAL_RX	I	Serial data input from the visual controller
35	DIAG	I	Diagnostic signal input from the power amplifier
36	NCO	O	Not used
37	CLK-OUT	O	Sub clock signal checking terminal Not used
38	NCO	O	Not used
39	HOLD	I	External data bus terminal at the flash writing mode Fixed at “L” in this unit
40	NCO	O	Not used
41	BUS/AUX	O	Ground line selection signal output terminal “L”: AUX2 mode, “H”: SONY bus mode (US and Canadian models)
42	PARKING_IN	I	Side brake (parking brake) position detection signal input terminal “L”: brake on
43	ACCIN	I	Accessory power supply detection signal input terminal “L”: accessory power on
44	WRI/WR	I	External data bus terminal at the flash writing mode Fixed at “H” in this unit
45	MSTR_TX	O	Serial data output to the DVD processor
46	MSTR_RX	I	Serial data input from the DVD processor
47	A_MUTE	I	Audio muting on/off control signal input from the DVD processor “H”: muting on
48	M_RTS	I	Request to send signal input from the DVD processor
49	ATT	O	System muting on/off control signal output terminal “H”: muting on
50	BT_AUDIO_SEL	O	Bluetooth selection signal output terminal “L”: Bluetooth
51	EXTATT_XEN	O	External input audio muting on/off control signal output terminal “H”: muting on
52	Z_MUTE	I	Zero data muting on/off control signal input from the D/A converter “H”: muting on
53	SELF_SW	I	Self loading position detection switch input terminal
54	IN_SW	I	Disc insert detection switch input terminal

Pin No.	Pin Name	I/O	Description
55	D_SW	I	Chucking end detection switch input terminal
56	M_RSSET	O	Reset signal output to the DVD processor and flash memory "L": reset
57	M_CTS	O	Clear to send signal output to the DVD processor
58, 59	DST_SEL0, DST_SEL1	I	Destination setting terminal
60	VCC	-	Power supply terminal (+3.3V)
61	DST_SEL2	I	Destination setting terminal
62	VSS	-	Ground terminal
63	DST_SEL3	O	Destination setting terminal
64	ILL_IN	I	Illumination line detection signal input terminal for the automatic dimmer control "L": dimmer on
65	RC_IN1	I	Rotary commander shift key input terminal
66	TEL_ATT	I	Telephone muting detection signal input terminal At input of "H", the audio signal is attenuated by 20 dB
67	EJECT	O	Loading motor drive signal (eject direction) output terminal "H": motor on
68	LOAD	O	Loading motor drive signal (loading direction) output terminal "H": motor on
69	DR_ON	O	Power supply on/off control signal output terminal for loading motor driver "H": power on
70	NCO	O	Not used
71	BT_RSEST	O	Reset signal output to the Bluetooth section "L": reset (XAV-62BT/E62BT)
72	USB_ON	O	Power supply on/off control signal output terminal for USB section "H": power on
73	BU_IN	I	Back up power supply detection signal input from the SONY bus interface "H": buck up power on (US and Canadian models) Back up power supply detection signal input terminal "H": back up power on (except US and Canadian models)
74	USB_OVER	I	USB over current detection signal input from the switching regulator "L": over current
75	BT_TX	O	Serial data output to the Bluetooth section (XAV-62BT/E62BT)
76	BT_RX	I	Serial data input from the Bluetooth section (XAV-62BT/E62BT)
77	RE_0	I	Jog dial pulse input from the rotary encoder (A phase input) (for volume)
78	RE_1	I	Jog dial pulse input from the rotary encoder (B phase input) (for volume)
79	NCO	O	Not used
80	BT_POWER	O	Power supply on/off control signal output terminal for Bluetooth section (XAV-62BT/E62BT)
81	BT_ACTIVE	I	Start state checking signal input from the Bluetooth section (XAV-62BT/E62BT)
82	BT_SYSON	O	Start signal output to the Bluetooth section (XAV-62BT/E62BT)
83	VSM	I	FM and AM signal-meter voltage detection signal input from the FM/AM PLL (A/D input) Not used
84	KEY_IN0	I	Front panel key input terminal (A/D input)
85	NCO	O	Not used
86	RC_IN0	I	Rotary commander key input terminal (A/D input)
87	RCACK	I	Acknowledge signal (wake up signal) input terminal for the rotary commander key entry Acknowledge signal is input to accept any function key in the standby state On at input of "H"
88	KEYACK	I	Acknowledge signal (wake up signal) input terminal for the front panel key entry Acknowledge signal is input to accept any function key in the standby state On at input of "H"
89 to 91	NCO	O	Not used
92	BUS_ON	O	SONY BUS on/off control signal output to the SONY bus interface "L": bus on (US and Canadian models)
93	SYSRST	O	Reset signal output to the SONY bus interface "L": reset (US and Canadian models)
94	AVSS	-	Ground terminal
95	NCO	O	Not used
96	VREF	I	Reference voltage (+3.3V) input terminal (for A/D converter)
97	AVCC	-	Power supply terminal (+3.3V)
98	UNISI	I	Serial data input from the SONY bus interface (US and Canadian models)
99	UNISO	O	Serial data output to the SONY bus interface (US and Canadian models)
100	UNICKO	O	Serial data transfer clock signal output to the SONY bus interface (US and Canadian models)

DISP BOARD IC1701 TW8816DELA3-GR (VIDEO DECODER)

Pin No.	Pin Name	I/O	Description
1	YIN3	I	Analog YUV video signal (Y) input from the DVD processor
2	YIN2	I	Analog RGB video signal (green) input from the EXT connector for external navigation (XAV-622: E (PAL) and Saudi Arabia models)
3	YIN1	I	Analog composite video signal input from the CAMERA IN jack
4	YIN0	I	Analog composite video signal input from the AUX VIDEO IN jack
5	YGND	-	Ground terminal
6	AGND	-	Ground terminal
7	AVDD1_1.8V	-	Power supply terminal (+1.8V)
8	CIN2	I	Analog video signal input terminal Not used
9	CIN1	I	Analog RGB video signal (blue) input from the EXT connector for external navigation (XAV-622: E (PAL) and Saudi Arabia models)
10	CIN0	I	Analog YUV video signal (U) input from the DVD processor
11	VIN1	I	Analog RGB video signal (red) input from the EXT connector for external navigation (XAV-622: E (PAL) and Saudi Arabia models)
12	VIN0	I	Analog YUV video signal (V) input from the DVD processor
13	AVDD33	-	Power supply terminal (+3.3V)
14, 15	SEN0, SEN1	I	Analog sensing signal input terminal Not used
16	COMOUT	O	Analog VCOM signal output terminal Not used
17, 18	LADIN0, LADIN1	I	Low-speed A/D converter signal input terminal Not used
19	AVSS33	-	Ground terminal
20	DAVDDA33	-	Power supply terminal (+3.3V)
21	ROUT	O	Analog RGB video signal (red) output terminal Not used
22	GOUT	O	Analog RGB video signal (green) output terminal Not used
23	BOUT	O	Analog RGB video signal (blue) output terminal Not used
24	DAVSSA33	-	Ground terminal
25	GPIO1	O	Non-input signal detection signal output to the visual controller “L”: non-input signal is detected
26	VDD18	-	Power supply terminal (+1.8V)
27	VSS18	-	Ground terminal
28	FPBIAS	O	Power supply on/off control signal output terminal for flat panel back light bias Not used
29	FPPWC	O	Power supply on/off control signal output terminal for flat panel display Not used
30	FPPWM	O	Dimmer control signal output terminal for flat panel back light Not used
31	TRCLK	O	Row driver shift clock signal output terminal Not used
32	GPIO2	O	Not used
33	TCINV	O	TCON column driver inversion terminal Not used
34	TCPOLP	O	Column driver polarity (positive) terminal Not used
35	TCPOLN	O	Column driver polarity (negative) terminal Not used
36	TCLP	O	Column driver load pulse signal output terminal Not used
37	FPCLK	O	Clock signal output to the video processor
38	FPVS	O	Vertical sync signal output to the video processor
39	VDD33	-	Power supply terminal (+3.3V)
40	FPHS	O	Horizontal sync signal output to the video processor
41	FPDE	O	Data valid signal output terminal for flat panel Not used
42	VSS33	-	Ground terminal
43 to 46	FPR7 to FPR4	O	Digital RGB video signal (red) output to the video processor
47	VSS18	-	Ground terminal
48	VDD18	-	Power supply terminal (+1.8V)
49, 50	FPR3, FPR2	O	Digital RGB video signal (red) output to the video processor
51, 52	FPR1, FPR0	O	Digital RGB video signal (red) output terminal Not used
53	VDD33	-	Power supply terminal (+3.3V)
54 to 57	FPG7 to FPG4	O	Digital RGB video signal (green) output to the video processor
58	VSS33	-	Ground terminal
59, 60	FPG3, FPG2	O	Digital RGB video signal (green) output to the video processor
61, 62	FPG1, FPG0	O	Digital RGB video signal (green) output terminal Not used
63 to 66	FPB7 to FPB4	O	Digital RGB video signal (blue) output to the video processor
67	VDD33	-	Power supply terminal (+3.3V)
68, 69	FPB3, FPB2	O	Digital RGB video signal (blue) output to the video processor
70, 71	FPB1, FPB0	O	Digital RGB video signal (blue) output terminal Not used

Pin No.	Pin Name	I/O	Description
72	VSS33	-	Ground terminal
73	MCUEN	I	MCU enable signal input terminal Not used
74	XTAL27O	O	System clock output terminal (27 MHz)
75	XTAL27I	I	System clock input terminal (27 MHz)
76	RST	I	Reset signal input from the visual controller “L”: reset
77	TEST	I	Test terminal
78	PWRDN	I	Power down signal input terminal Not used
79	SDAT	I/O	Two-way I2C data bus with the visual controller
80	SCLK	I	I2C clock signal input from the visual controller
81	VDD18	-	Power supply terminal (+1.8V)
82	VSS18	-	Ground terminal
83, 84	DTV0 (NC), DTV1 (NC)	I	Digital television signal input terminal Not used
85 to 90	DTV2 (B0) to DTV7 (B5)	I	Digital television signal input terminal Not used
91, 92	DTV8 (NC), DTV9 (NC)	I	Digital television signal input terminal Not used
93 to 98	DTV10 (G0) to DTV15 (G5)	I	Digital television signal input terminal Not used
99, 100	DTV16 (NC), DTV17 (NC)	I	Digital television signal input terminal Not used
101	DTV18 (R0)	I	Digital television signal input terminal Not used
102	VDD33	-	Power supply terminal (+3.3V)
103	VSS33	-	Ground terminal
104 to 108	DTV19 (R1) to DTV23 (R5)	I	Digital television signal input terminal Not used
109	VDD18	-	Power supply terminal (+1.8V)
110	VSS18	-	Ground terminal
111	DTVCLK	I	Clock signal input terminal for DTV interface Not used
112	DTVDE	I/O	Data valid signal input/output terminal for DTV interface Not used
113	DTVHS	I/O	Horizontal sync signal input/output terminal for DTV interface Not used
114	DTVVS	I/O	Vertical sync signal input/output terminal for DTV interface Not used
115	VSYNC	I	Vertical sync signal input terminal Not used
116	CSYNC	I	CSYNC signal input from the EXT connector for external navigation (XAV-622 E (PAL) and Saudi Arabia models)
117	SSVDD18	-	Power supply terminal (+1.8V)
118	SSVSS18	-	Ground terminal
119	VDDD18	-	Power supply terminal (+1.8V)
120	VSSD18	-	Ground terminal
121	LVDDA18	-	Power supply terminal (+1.8V)
122	LVSSA18	-	Ground terminal
123	AGND3	-	Ground terminal
124, 125	AVDD3_1.8V, AVDD2_1.8V	-	Power supply terminal (+1.8V)
126	AGND2	-	Ground terminal
127	YOUT	O	Analog video signal (Y) output terminal Not used
128	SOYIN	I	Sync signal on analog YUV video signal (Y) input terminal

DISP BOARD IC2201 MN103SH23UB (VIDEO PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	OSCXO	O	System clock output terminal (33 MHz)
2	OSCXI	I	System clock input terminal (33 MHz)
3 to 7	SDRA3, SDRA4, SDRA2, SDRA5, SDRA1	O	Address signal output to the SD-RAM
8	VSS	-	Ground terminal
9	SDRA6	O	Address signal output to the SD-RAM
10	VDD	-	Power supply terminal (+3.3V)
11, 12	SDRA0, SDRA7	O	Address signal output to the SD-RAM
13	VDDI	-	Power supply terminal (+1.2V)
14, 15	SDRA10, SDRA8	O	Address signal output to the SD-RAM
16	SDRBA1	O	Bank address signal output to the SD-RAM
17	SDRA9	O	Address signal output to the SD-RAM
18	VSS	-	Ground terminal
19	VDD	-	Power supply terminal (+3.3V)
20	SDRBA0	O	Bank address signal output to the SD-RAM
21	SDRA11	O	Address signal output to the SD-RAM
22	NSDRCS	O	Chip select signal output to the SD-RAM
23	SDRA12	O	Address signal output to the SD-RAM
24	NSDRRAS	O	Row address select signal output to the SD-RAM
25	SDRCKE	O	Clock enable signal output to the SD-RAM
26	NSDRCAS	O	Column address select signal output to the SD-RAM
27	SDCKI	I	Clock signal input from the SDRCKO (pin 30)
28	VDD	-	Power supply terminal (+3.3V)
29	VSS	-	Ground terminal
30	SDRCKO	O	Clock signal output to the SDCKI (pin 27) and SD-RAM
31	NSDRWE	O	Write enable signal output to the SD-RAM
32	SDRDQM1	O	Data mask signal output to the SD-RAM (upper byte)
33	SDRDQM0	O	Data mask signal output to the SD-RAM (lower byte)
34 to 37	SDRD8, SDRD7, SDRD9, SDRD6	I/O	Two-way data bus with the SD-RAM
38	VDD	-	Power supply terminal (+3.3V)
39	VSS	-	Ground terminal
40 to 48	SDRD10, SDRD5, SDRD11, SDRD4,SDRD12, SDRD3, SDRD13, SDRD2, SDRD14	I/O	Two-way data bus with the SD-RAM
49	VDD	-	Power supply terminal (+3.3V)
50	VSS	-	Ground terminal
51	VDDI	-	Power supply terminal (+1.2V)
52 to 54	SDRD1, SDRD15, SDRD0	I/O	Two-way data bus with the SD-RAM
55	NRST	I	Reset signal input from the visual controller "L": reset
56	NMI	I	Non-maskable interrupt signal input terminal Fixed at "H" in this unit
57	LCDICLK	I	Clock signal input terminal Not used
58	TSTC0	I	Test signal input terminal Fixed at "L" in this unit
59	TSTCK	I	Test signal input terminal Fixed at "L" in this unit
60	VSS	-	Ground terminal
61, 62	TSTC1, TSTC2	I	Test signal input terminal Fixed at "L" in this unit
63	PINMD1	I	Mode signal input terminal Fixed at "L" in this unit
64	SDATA	I/O	Two-way data bus terminal for debug
65	VSS	-	Ground terminal
66	VDD	-	Power supply terminal (+3.3V)
67	SCLOCK	I	Clock signal input terminal for debug
68	PINMD0	I	Mode signal input terminal Fixed at "L" in this unit
69	VDDI	-	Power supply terminal (+1.2V)
70, 71	NFRCS0, NFRCS1	O	Chip enable signal output to the flash memory
72	NFRWE	O	Write enable signal output to the flash memory
73	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
74	VDD	-	Power supply terminal (+3.3V)
75	NFROE	O	Output enable signal output to the flash memory
76 to 83	FAD0 to FAD7	O	Address signal output to the flash memory
84	VSS	-	Ground terminal
85	VDD	-	Power supply terminal (+3.3V)
86 to 93	FAD8 to FAD15	O	Address signal output to the flash memory
94	PVPPDRAM	-	Internal D-RAM monitor terminal
95	VDD	-	Power supply terminal (+3.3V)
96	VSS	-	Ground terminal
97	AVDDR	-	Power supply terminal (+3.3V)
98 to 102	FAD16 to FAD20	O	Address signal output to the flash memory
103	VDDI	-	Power supply terminal (+1.2V)
104, 105	FAD21, FAD22	O	Address signal output to the flash memory
106	VDDI	-	Power supply terminal (+1.2V)
107	VDD	-	Power supply terminal (+3.3V)
108	VSS	-	Ground terminal
109 to 119	FDATA0 to FDATA10	I/O	Two-way data bus with the flash memory
120	VDD	-	Power supply terminal (+3.3V)
121	VSS	-	Ground terminal
122 to 126	FDATA11 to FDATA15	I/O	Two-way data bus with the flash memory
127	GPIO0 (NC)	O	Not used
128	GPIO1 (NOR_W)	I	Flash writing terminal "L": normally operation mode, "H": writing mode
129	GPIO2 (NC)	I/O	Not used
130	GPIO3 (GERDA_IF)	I	Communication start signal input from the visual controller
131	GPIO4 (RX)	I	Serial data input from the visual controller
132	GPIO5 (TX)	O	Serial data output to the visual controller
133	GPIO6 (DEBUG-RX)	I	Debug serial data input terminal Not used
134	VSS	-	Ground terminal
135	VDD	-	Power supply terminal (+3.3V)
136	GPIO7 (DEBUG-TX)	O	Debug serial data output terminal Not used
137	GPIO8 (NC)	O	Not used
138	GPIO9 (STH)	O	Horizontal sync signal output to the liguid crystal display
139 to 144	DVOB0 to DVOB5	I	Digital RGB video signal (blue) input from the video decoder
145	VDDI	-	Power supply terminal (+1.2V)
146 to 151	DVOG0 to DVOG5	I	Digital RGB video signal (green) input from the video decoder
152 to 154	DVOR0 to DVOR2	I	Digital RGB video signal (red) input from the video decoder
155	VSS	-	Ground terminal
156	DVOR3	I	Digital RGB video signal (red) input from the video decoder
157	VDD	-	Power supply terminal (+3.3V)
158, 159	DVOR4, DVOR5	I	Digital RGB video signal (red) input from the video decoder
160	DVOCLK	I	Clock signal input from the video decoder
161	DVOVSY	I	Vertical sync signal input from the video decoder
162	DVOHSY	I	Horizontal sync signal input from the video decoder
163	CMPAOUT	O	External capacitor connection terminal for comparator low-pass filter
164	AVOIREF	O	External resistor connection terminal for A/D converter bias
165	AVOVREFH	O	Reference voltage output terminal
166	AVOVREFL	O	Reference voltage output terminal
167	AVOVCMO	O	Reference voltage output terminal
168	AVOINA	I	Analog video signal input terminal Not used
169	AVDDA	-	Power supply terminal (+3.3V)
170	AVOINB	I	Analog composite video signal input from the DVD processor (XAV-622: E (PAL) and Saudi Arabia models)
171	AVSSA	-	Ground terminal
172	AV1VREFH	O	Reference voltage output terminal
173	AV1VREFL	O	Reference voltage output terminal
174	AV1VCMO	O	Reference voltage output terminal

Pin No.	Pin Name	I/O	Description
175	AV1IN	I	Analog composite video signal input from the AUX VIDEO IN jack (XAV-622: E (PAL) and Saudi Arabia models)
176	AVDDA2	-	Power supply terminal (+3.3V)
177	AV2VREFH	O	Reference voltage output terminal
178	AV2VREFL	O	Reference voltage output terminal
179	AVSSA2	-	Ground terminal
180	AV2VCMO	O	Reference voltage output terminal
181	AV2IN	I	Analog composite video signal input from the AUX VIDEO IN jack (XAV-622: E (PAL) and Saudi Arabia models)
182	AVDDP	-	Power supply terminal (+3.3V)
183	TSTIO (NC)	I/O	Internal PLL inspection terminal Not used
184	AVSSP	-	Ground terminal
185 to 188	LCDOB0 to LCDOB3	O	Digital RGB video signal (blue) output to the liquid crystal display
189	VSS	-	Ground terminal
190	VDD	-	Power supply terminal (+3.3V)
191, 192	LCDOB4, LCDOB5	O	Digital RGB video signal (blue) output to the liquid crystal display
193 to 195	LCDOG0 to LCDOG2	O	Digital RGB video signal (green) output to the liquid crystal display
196	VDDI	-	Power supply terminal (+1.2V)
197 to 199	LCDOG3 to LCDOG5	O	Digital RGB video signal (green) output to the liquid crystal display
200	VSS	-	Ground terminal
201	VDD	-	Power supply terminal (+3.3V)
202 to 207	LCDOR0 to LCDOR5	O	Digital RGB video signal (red) output to the liquid crystal display
208	LCDOC0 (STB)	O	LOAD signal output to the liquid crystal display
209	LCDOC1 (STV)	O	Vertical sync signal output to the visual controller and liquid crystal display
210	VDD	-	Power supply terminal (+3.3V)
211	VSS	-	Ground terminal
212	LCDOC2 (CPV)	O	Voltage control signal output to the liquid crystal display
213	LCDOC3 (POL)	O	Polarity inversion control output terminal
214	LCDOCLK	O	Clock signal output to the liquid crystal display
215	LCDOC4 (OE)	O	Output enable signal output to the liquid crystal display
216	N.C.	-	Not used

SECTION 6
EXPLODED VIEWS

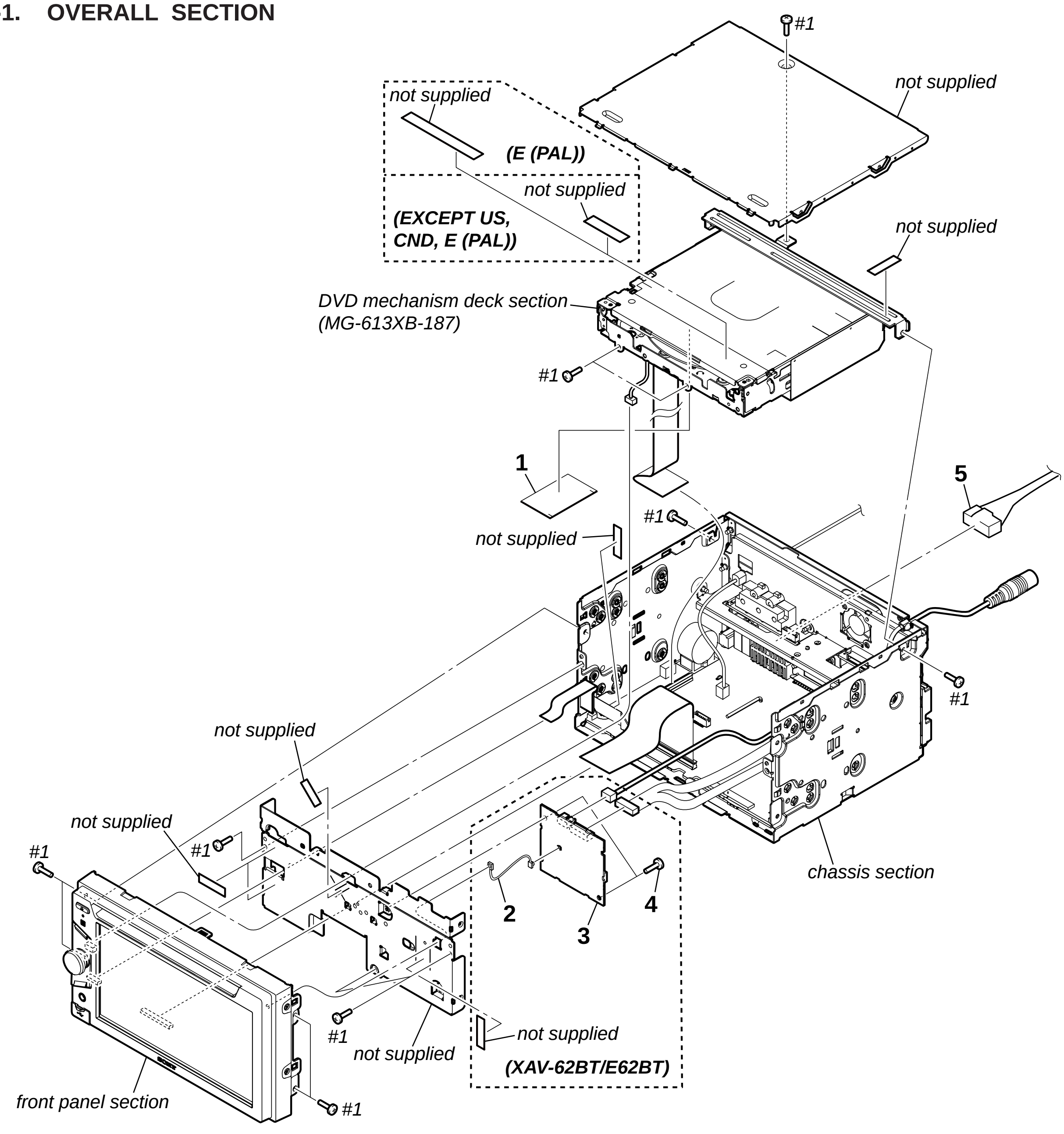
Note:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Abbreviation
  CND : Canadian model
  EA : Saudi Arabia model
  RU : Russian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

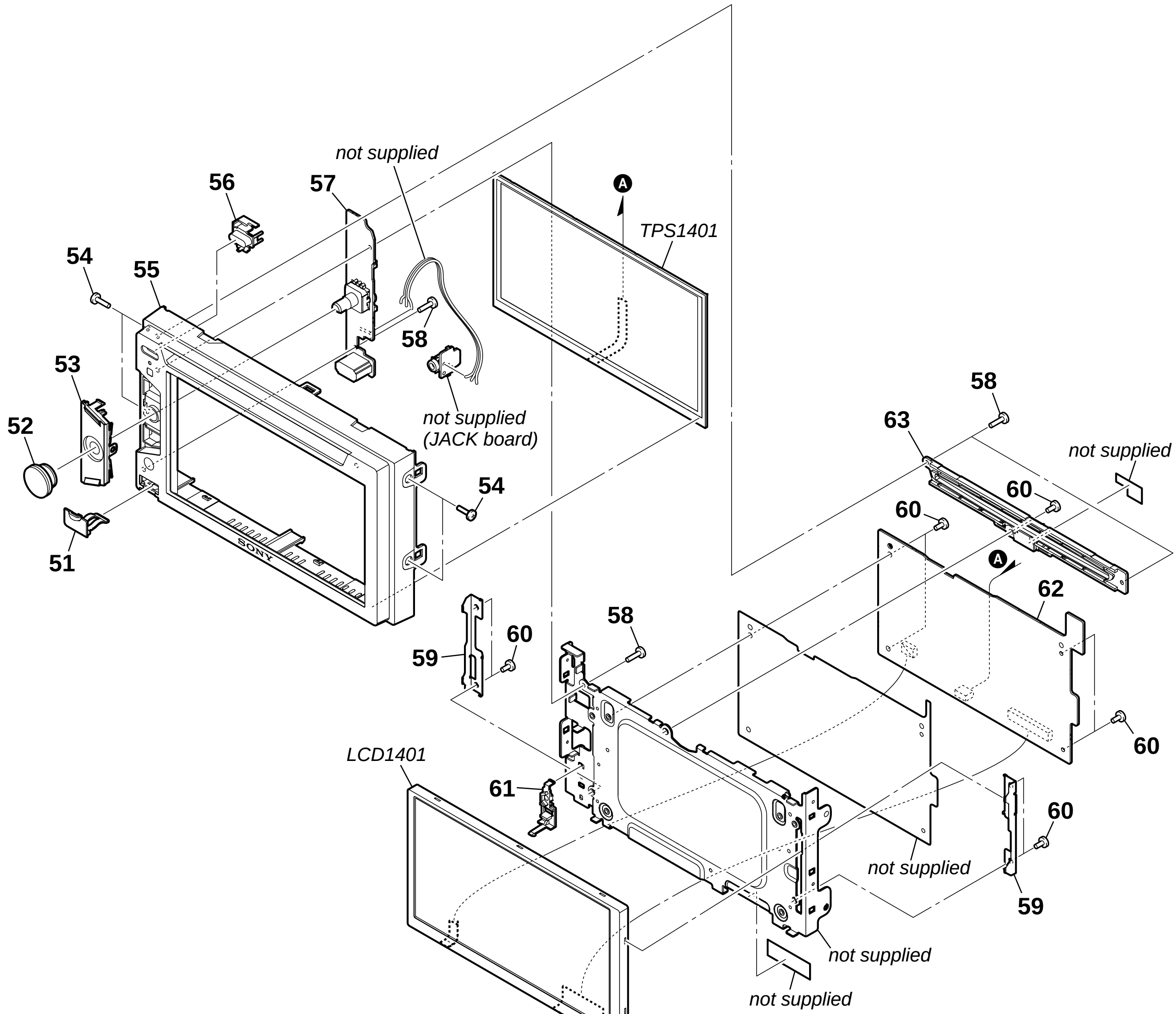
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. OVERALL SECTION



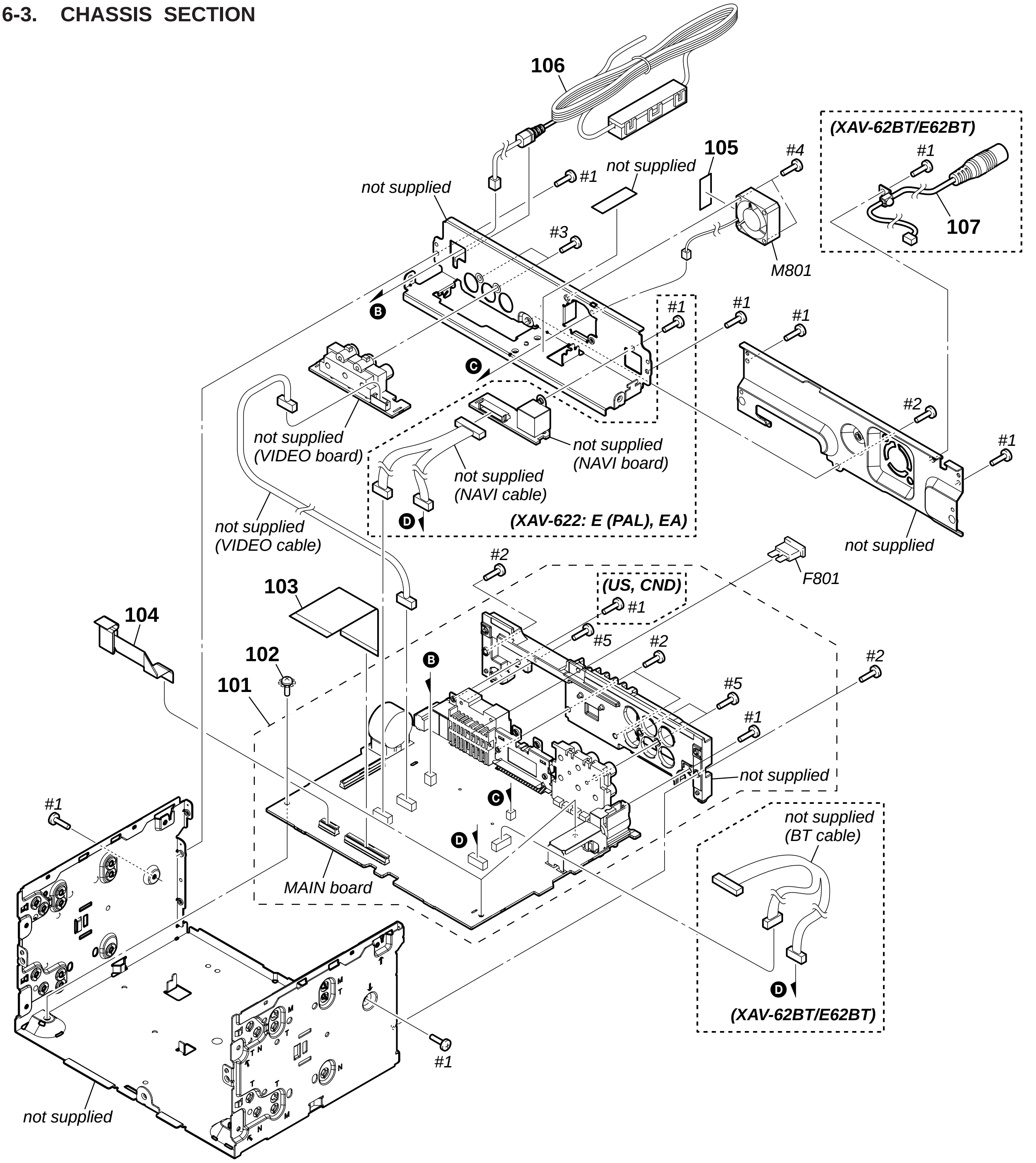
Ref. No.	Part No.	Description	Remark
1	4-174-075-01	COVER (FFC)	
2	1-834-678-11	LEAD WIRE WITH CONNECTOR (XAV-62BT/E62BT)	
3	A-1804-682-A	BT BOARD, COMPLETE (XAV-62BT/E62BT)	
4	2-050-124-02	SCREW +BTT 2.6X5.2 (XAV-62BT/E62BT)	
5	1-828-543-11	CORD (WITH CONNECTOR) (ISO) (POWER CORD) (AEP, UK, RU)	
5	1-834-204-21	CONNECTION CODE FOR AUTOMOBILE (POWER CORD) (US, CND, E, EA)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	

6-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	4-256-177-01	CAP (USB) (⭠)	
52	X-2581-293-1	KNOB (SV) ASSY	
53	4-256-176-01	BUTTON (SOURCE) (SOURCE⬬OFF, TOP)	
54	4-157-049-01	SCREW +Z S1.7X4	
55	X-2581-294-1	PANEL (SV) ASSY, FRONT (XAV-62BT: US, CND)	
55	X-2581-305-1	PANEL (SV) ASSY, FRONT (XAV-62BT: AEP, UK, E (NTSC))	
55	X-2581-306-1	PANEL (SV) ASSY, FRONT (XAV-E62BT)	
55	X-2581-307-1	PANEL (SV) ASSY, FRONT (XAV-622: US, CND)	
55	X-2581-308-1	PANEL (SV) ASSY, FRONT (XAV-622: AEP, UK, E (NTSC), E (PAL), EA)	
55	X-2581-309-1	PANEL (SV) ASSY, FRONT (XAV-E622)	
56	4-148-647-01	BUTTON (EJECT) (⏏)	
57	A-1804-067-A	KEY BOARD, COMPLETE	
58	3-250-543-02	SCREW (+B P-TITE M2)	
59	4-148-658-01	BRACKET (LCD 6)	
60	3-042-244-41	SCREW (T)	
61	4-256-181-01	SUPPORT (JACK)	
62	A-1804-065-A	DISP BOARD, COMPLETE (XAV-622: US, CND, AEP, UK, E (NTSC)/XAV-E622)	
62	A-1804-066-A	DISP BOARD, COMPLETE (XAV-622: E (PAL), EA)	
62	A-1804-681-A	DISP BOARD, COMPLETE (XAV-62BT/E62BT)	
63	X-2514-953-1	GUIDE (CD 6) ASSY	
LCD1401	1-811-310-11	DISPLAY PANEL, LIQUID CRYSTAL	
TPS1401	1-811-004-12	TOUCH PANEL	

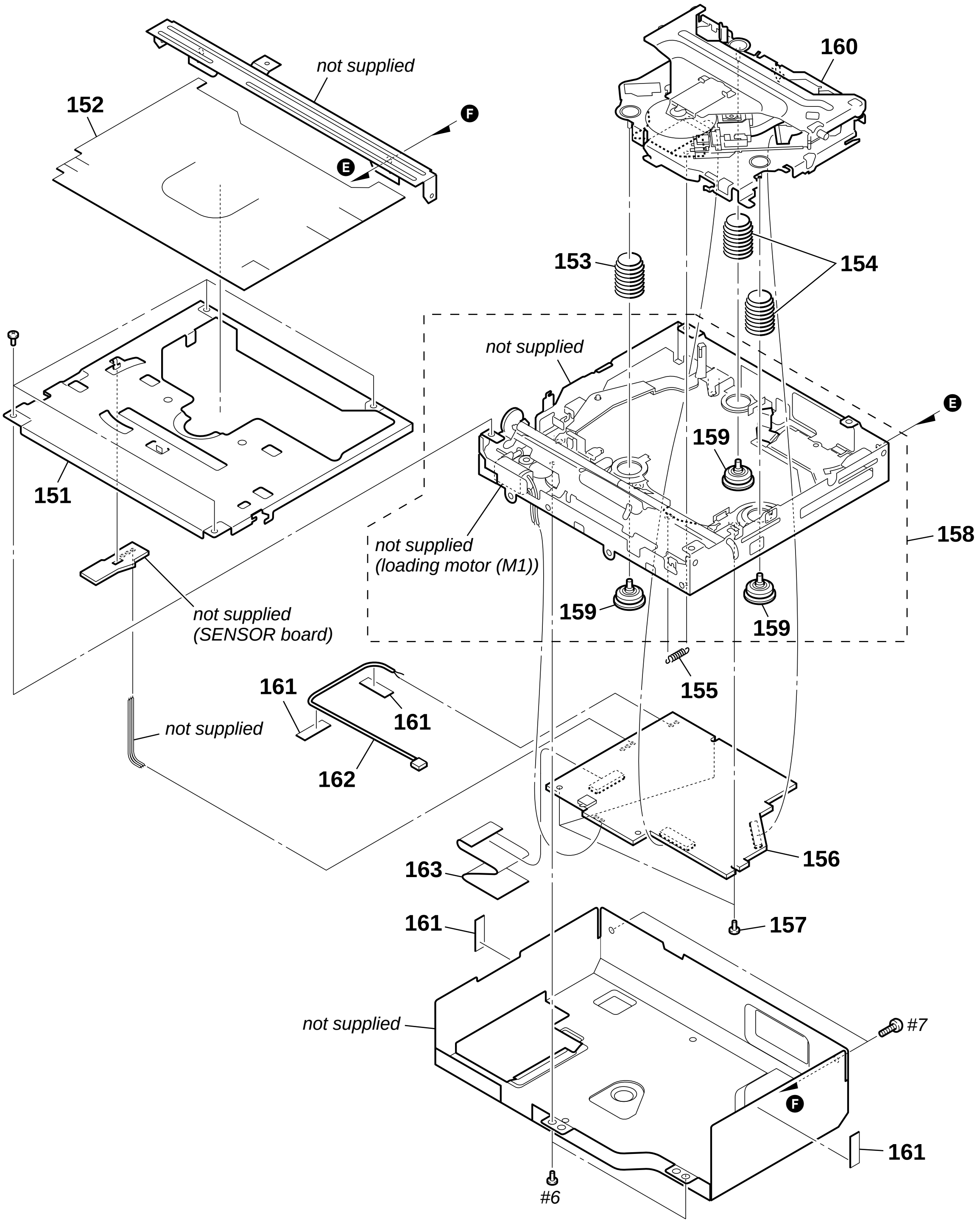
6-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
101	A-1804-057-A	MAIN BOARD, COMPLETE (XAV-622: US, CND)	
101	A-1804-058-A	MAIN BOARD, COMPLETE (XAV-622: AEP, UK)	
101	A-1804-059-A	MAIN BOARD, COMPLETE (XAV-E622)	
101	A-1804-060-A	MAIN BOARD, COMPLETE (XAV-622: E (NTSC))	
101	A-1804-061-A	MAIN BOARD, COMPLETE (XAV-622: E (PAL))	
101	A-1804-062-A	MAIN BOARD, COMPLETE (XAV-622: EA)	
101	A-1804-676-A	MAIN BOARD, COMPLETE (XAV-62BT: US, CND)	
101	A-1804-677-A	MAIN BOARD, COMPLETE (XAV-62BT: AEP, UK)	
101	A-1804-678-A	MAIN BOARD, COMPLETE (XAV-E62BT)	
101	A-1804-679-A	MAIN BOARD, COMPLETE (XAV-62BT: E (NTSC))	
102	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT	
103	1-838-745-11	CABLE, FLEXIBLE FLAT (60 CORE)	

Ref. No.	Part No.	Description	Remark
104	1-838-744-11	CABLE, FLEXIBLE FLAT (20 CORE)	
105	2-686-869-01	SHEET (GPS WIRE)	
106	1-838-632-11	CABLE, REVERSE (REVERSE IN)	
107	1-836-313-31	CORD, CONNECTION (MIC) (MIC IN)	(XAV-62BT/E62BT)
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A/32V)	
M801	1-787-976-11	FAN, DC (25X25)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-794-09	SCREW +PTT 2.6X10 (S)	
#3	7-685-146-11	SCREW +P 3X8 TYPE2 NON-SLIT	
#4	7-685-796-09	SCREW +PTT 2.6X14 (S)	
#5	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	

6-4. DVD MECHANISM DECK SECTION (MG-613XB-187)



Note: Adhesive (ST-854GH) 10 × 33 m tape cannot re-used.
Please replace to brand-new part ones adhesive (ST-854GH) 10 × 33 m tape is removed.

Ref. No.	Part No.	Description	Remark
151	A-1211-766-B	CHASSIS (T612Z) SUB ASSY	
152	2-583-629-21	SHEET, DUST PROTECTION	
153	2-893-930-01	SPRING (DAMPER, Z), COMPRESSION	
154	3-257-892-01	SPRING (DAMPER), COIL	
155	2-188-954-11	SPRING (KF), TENSION	
156	A-1805-980-A	SERVO BOARD, COMPLETE	
157	4-162-647-01	SCREW, TOOTHED LOCK +Z M1.7X2.5	
158	A-1732-663-A	CHASSIS (M613) COMPLETE ASSY (Including loading motor (M1))	
159	3-253-748-11	DAMPER (S)	
⚠ 160	A-1560-594-B	CHASSIS (OP, ZA) COMPLETE ASSY (Including optical pick-up (KHS-360A))	
161	7-600-028-44	TAPE, ADHESIVE (ST-854GH) 10X33m	
162	1-839-174-11	CORD WITH CONNECTOR	
163	1-838-746-11	CABLE, FLEXIBLE FLAT (60 CORE)	
#6	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
#7	7-685-791-01	SCREW +PTT 2.6X5 (S)	

SECTION 7
ELECTRICAL PARTS LIST

Note:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .
- Abbreviation
  CND : Canadian model
  EA : Saudi Arabia model
  RU : Russian model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
	A-1804-682-A	BT BOARD, COMPLETE (XAV-62BT/E62BT)			
		******************			

When BT board is defective, exchange the complete mounted board.
****

Ref. No.	Part No.	Description			Remark
	A-1804-065-A	DISP BOARD, COMPLETE (XAV-622: US, CND, AEP, UK, E (NTSC)/XAV-E622)			
	A-1804-066-A	DISP BOARD, COMPLETE (XAV-622: E (PAL), EA)			
	A-1804-681-A	DISP BOARD, COMPLETE (XAV-62BT/E62BT)			
		********************			
		< ANTENNA >			
ANT991	1-754-678-11	ANTENNA OTHERS (XAV-62BT/E62BT)			
		< CAPACITOR >			
C1303	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1321	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C1325	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1326	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1327	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C1328	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1331	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1351	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1352	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1353	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1354	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C1361	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1362	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1363	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1364	1-112-001-81	CERAMIC CHIP	270PF	5%	50V
C1365	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C1366	1-100-436-11	CERAMIC CHIP	0.033uF	10%	25V
C1367	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C1368	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1369	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1370	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1371	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1392	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1401	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1402	1-135-960-91	CERAMIC CHIP	10uF	10%	25V
C1403	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C1405	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1406	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1407	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1408	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1451	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1452	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1453	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1454	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1455	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1456	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C1582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1583	1-100-672-11	CERAMIC CHIP	10uF	20%	16V
C1584	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C1585	1-117-681-11	ELECT CHIP	100uF	20%	16V
C1591	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1592	1-114-817-11	CERAMIC CHIP	2.2uF	10%	50V
C1594	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C1701	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1702	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1703	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1704	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1705	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1707	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1708	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C1709	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C1710	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1711	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1712	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1714	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1715	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1716	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1717	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1718	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1719	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1720	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C1721	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C1722	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C1723	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C1724	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1725	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1727	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1730	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1731	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1732	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1733	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1737	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

DISP

Ref. No.	Part No.	Description				Remark
C1739	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C1751	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1752	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1753	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1754	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1755	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1756	1-112-001-81	CERAMIC CHIP	270PF	5%	50V	(XAV-622: E (PAL), EA)
C1757	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1758	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1759	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1781	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1782	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1783	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1784	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1785	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1786	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C1787	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1788	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1789	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C1790	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2201	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V	
C2202	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V	
C2203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2204	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2205	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2206	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2208	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2209	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2210	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2211	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2212	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2213	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2214	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2215	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2216	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2217	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2218	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2219	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2220	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2221	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2222	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2223	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2224	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2225	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2226	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2227	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2228	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2229	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2230	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2231	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2232	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2233	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2234	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2235	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	

Ref. No.	Part No.	Description				Remark
C2236	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2237	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2238	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2239	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2240	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2241	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2242	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2243	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2244	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2245	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2246	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2247	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2248	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2249	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2250	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2257	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2259	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
C2272	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2273	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2276	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2277	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2278	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2279	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C2291	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2293	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
C2294	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V	
C2316	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	(XAV-622: E (PAL), EA)
C2324	1-164-862-11	CERAMIC CHIP	33PF	5%	50V	
C2325	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2326	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2327	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2328	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2330	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2331	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C2332	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2333	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2334	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2335	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2336	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2337	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C2338	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C2339	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2340	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2341	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2342	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2343	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2351	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	(XAV-622: E (PAL), EA)
C2352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	(EXCEPT XAV-622: E (PAL), EA)
C2352	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	(XAV-622: E (PAL), EA)
C2358	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	(XAV-622: E (PAL), EA)
C2371	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	(XAV-622: E (PAL), EA)
C2372	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	(EXCEPT XAV-622: E (PAL), EA)
C2372	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	(XAV-622: E (PAL), EA)

Ref. No.	Part No.	Description	Remark
C2377	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V	(XAV-622: E (PAL), EA)
C2391	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	(XAV-622: E (PAL), EA)
C2392	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	(EXCEPT XAV-622: E (PAL), EA)
C2392	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	(XAV-622: E (PAL), EA)
C2397	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V	(XAV-622: E (PAL), EA)
C2403	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2404	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2405	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2406	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2407	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2408	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2409	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2410	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	
C2411	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	
C2412	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	
C2413	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V	
C2501	1-112-815-91	CERAMIC CHIP 10uF 20% 6.3V	
C2503	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2504	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2513	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
C2514	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		< CONNECTOR >	
CN1201	(Not supplied)	CONNECTOR, FFC/FPC (ZIF) 60P	
CN1401	1-820-644-31	CONNECTOR, FFC/FPC (ZIF) 60P	
CN1421	1-778-283-71	CONNECTOR, FFC/FPC 4P	
CN1591	1-842-614-21	CONNECTOR, FFC/FPC (ZIF) 10P	
CN1991	1-821-559-11	CONNECTOR, COAXIAL (SMT TYPE)	(XAV-62BT/E62BT)
CN2201	1-770-622-21	PIN, CONNECTOR 5P	
		< DIODE >	
D1301	6-502-395-01	LED SL-194S-WS-SD-T	(DISC SLOT INDICATOR)
D1321	8-719-073-35	DIODE RB551V-30TE-17	
D1322	8-719-073-35	DIODE RB551V-30TE-17	
D1361	6-501-124-11	DIODE RSX101VA-30TR	
D1421	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1422	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1423	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1424	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1591	6-501-124-11	DIODE RSX101VA-30TR	
		< FERRITE BEAD >	
FB2301	1-414-385-21	INDUCTOR, FERRITE BEAD	(XAV-622: E (PAL), EA)
FB2302	1-414-385-21	INDUCTOR, FERRITE BEAD	
		< IC >	
IC1323	6-711-169-01	IC MM3203BFBE	
IC1351	6-708-746-11	IC NJM2741F3 (TE2)	
IC1361	6-705-542-01	IC NJM2377M (TE2)	
IC1581	(Not supplied)	IC BD6590MUV-E2	
* IC1701	6-714-158-01	IC TW8816DELA3-GR	
IC1731	6-711-047-01	IC S-1132B18-U5T1G	
IC2201	6-714-645-01	IC MN103SH23UB	

Note: CN1201 and IC1581 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description	Remark
IC2271	6-714-926-01	IC MM3404A12NRE	
IC2291	6-702-302-01	IC TK11133CSCL-G	
IC2401	6-716-887-01	IC M12L2561616A-7TIG2K	
IC2501	6-717-373-01	IC S29GL128P90TFIR20D-902A1 (for SERVICE)	
IC2511	6-717-381-01	IC S29GL128P90TFIR20D-902A2 (for SERVICE)	
		< COIL >	
L1321	1-400-677-11	INDUCTOR 47uH	
L1322	1-400-677-11	INDUCTOR 47uH	
L1351	1-400-675-11	INDUCTOR 10uH	
L1361	1-481-035-11	INDUCTOR 10uH	
* L1362	1-457-690-11	INDUCTOR 33uH	
L1401	1-400-675-11	INDUCTOR 10uH	
L1402	1-400-675-11	INDUCTOR 10uH	
L1403	1-400-675-11	INDUCTOR 10uH	
L1404	1-400-675-11	INDUCTOR 10uH	
L1451	1-400-675-11	INDUCTOR 10uH	
L1582	1-481-035-11	INDUCTOR 10uH	
L1592	1-481-525-11	INDUCTOR 15uH	
L1701	1-400-675-11	INDUCTOR 10uH	
L1702	1-400-675-11	INDUCTOR 10uH	
L1703	1-400-675-11	INDUCTOR 10uH	
L1704	1-400-675-11	INDUCTOR 10uH	
L1731	1-400-675-11	INDUCTOR 10uH	
L1732	1-400-791-21	INDUCTOR 10uH	
L1734	1-400-791-21	INDUCTOR 10uH	
L1751	1-481-657-21	INDUCTOR 3.3uH	(XAV-622: E (PAL), EA)
L1752	1-481-657-21	INDUCTOR 3.3uH	(XAV-622: E (PAL), EA)
L1753	1-481-657-21	INDUCTOR 3.3uH	(XAV-622: E (PAL), EA)
L1781	1-400-363-21	INDUCTOR 1uH	
L1782	1-400-363-21	INDUCTOR 1uH	
L1783	1-400-363-21	INDUCTOR 1uH	
L1991	1-481-811-21	INDUCTOR 2.9nH	(XAV-62BT/E62BT)
L1992	1-400-120-21	INDUCTOR 5.1nH	(XAV-62BT/E62BT)
L1993	1-481-004-21	INDUCTOR 2.4nH	(XAV-62BT/E62BT)
L2311	1-400-675-11	INDUCTOR 10uH	(XAV-622: E (PAL), EA)
L2321	1-400-791-21	INDUCTOR 10uH	
L2322	1-400-675-11	INDUCTOR 10uH	
L2401	1-481-175-21	INDUCTOR 4.7uH	
		< TRANSISTOR >	
Q1301	6-552-430-01	TRANSISTOR DRC5114E0L	
Q1321	6-551-699-01	TRANSISTOR ISA1602AM1-T111-1EF	
Q1362	6-550-718-01	FET RSR025N03TL	
Q1391	6-552-430-01	TRANSISTOR DRC5114E0L	
Q1392	6-552-199-01	TRANSISTOR INA5001AP1-T111-1W	
Q2351	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	(XAV-622: E (PAL), EA)
Q2371	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	(XAV-622: E (PAL), EA)
Q2391	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	(XAV-622: E (PAL), EA)
		< RESISTOR >	
R1203	1-218-990-11	SHORT CHIP 0	
R1211	1-218-990-11	SHORT CHIP 0	
R1218	1-218-990-11	SHORT CHIP 0	
R1219	1-218-990-11	SHORT CHIP 0	
R1224	1-218-990-11	SHORT CHIP 0	
R1248	1-218-990-11	SHORT CHIP 0	

DISP

Ref. No.	Part No.	Description			Remark
R1301	1-216-864-11	SHORT CHIP	0		
R1302	1-216-817-11	METAL CHIP	470	5%	1/10W
R1321	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1322	1-218-969-11	METAL CHIP	22K	5%	1/16W
R1323	1-218-897-11	METAL CHIP	120K	0.5%	1/10W
R1324	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R1325	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R1326	1-218-897-11	METAL CHIP	120K	0.5%	1/10W
R1327	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R1328	1-216-864-11	SHORT CHIP	0		
R1331	1-218-971-11	METAL CHIP	33K	5%	1/16W
R1332	1-218-981-91	METAL CHIP	220K	5%	1/16W
R1351	1-218-941-11	METAL CHIP	100	5%	1/16W
R1352	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1353	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1354	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1355	1-216-864-11	SHORT CHIP	0		
R1356	1-216-864-11	SHORT CHIP	0		
R1361	1-220-197-11	METAL CHIP	16K	5%	1/16W
R1362	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R1363	1-218-968-11	METAL CHIP	18K	5%	1/16W
R1364	1-218-964-11	METAL CHIP	8.2K	5%	1/16W
R1366	1-218-941-11	METAL CHIP	100	5%	1/16W
R1367	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1368	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R1369	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1370	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R1371	1-216-864-11	SHORT CHIP	0		
R1391	1-218-990-11	SHORT CHIP	0		
R1392	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1393	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1401	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1403	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1406	1-218-990-11	SHORT CHIP	0		
R1421	1-218-929-11	METAL CHIP	10	5%	1/16W
R1422	1-218-929-11	METAL CHIP	10	5%	1/16W
R1423	1-218-929-11	METAL CHIP	10	5%	1/16W
R1424	1-218-929-11	METAL CHIP	10	5%	1/16W
R1453	1-211-979-11	METAL CHIP	27	0.5%	1/10W
R1455	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R1456	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R1457	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R1459	1-211-984-11	METAL CHIP	43	0.5%	1/10W
R1461	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R1465	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R1467	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R1469	1-211-980-11	METAL CHIP	30	0.5%	1/10W
R1471	1-211-984-11	METAL CHIP	43	0.5%	1/10W
R1473	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R1476	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R1581	1-218-990-11	SHORT CHIP	0		
R1586	1-216-864-11	SHORT CHIP	0		
R1588	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R1589	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
R1592	1-245-118-91	METAL CHIP	2.2M	0.5%	1/10W
R1593	1-218-894-11	METAL CHIP	91K	0.5%	1/10W
R1594	1-216-864-11	SHORT CHIP	0		
R1597	1-218-990-11	SHORT CHIP	0		
R1598	1-218-990-11	SHORT CHIP	0		
R1701	1-216-295-00	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1702	1-216-864-11	SHORT CHIP	0		
R1703	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1704	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1705	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1706	1-218-941-11	METAL CHIP	100	5%	1/16W
R1707	1-218-941-11	METAL CHIP	100	5%	1/16W
R1708	1-218-941-11	METAL CHIP	100	5%	1/16W
R1709	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1710	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1711	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1712	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1713	1-216-864-11	SHORT CHIP	0		
R1714	1-216-295-00	SHORT CHIP	0		
R1715	1-218-941-11	METAL CHIP	100	5%	1/16W
R1716	1-218-941-11	METAL CHIP	100	5%	1/16W
R1717	1-218-941-11	METAL CHIP	100	5%	1/16W
R1721	1-218-941-11	METAL CHIP	100	5%	1/16W
R1722	1-218-941-11	METAL CHIP	100	5%	1/16W
R1723	1-218-941-11	METAL CHIP	100	5%	1/16W
R1724	1-218-941-11	METAL CHIP	100	5%	1/16W
R1725	1-216-864-11	SHORT CHIP	0		
R1726	1-216-864-11	SHORT CHIP	0		
R1728	1-218-990-11	SHORT CHIP	0		
R1729	1-218-990-11	SHORT CHIP	0		
R1732	1-216-295-00	SHORT CHIP	0		
R1751	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R1751	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
					(XAV-622: E (PAL), EA)
R1752	1-216-809-11	METAL CHIP	100	5%	1/10W
					(XAV-622: E (PAL), EA)
R1752	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R1753	1-211-990-11	METAL CHIP	75	0.5%	1/10W
					(XAV-622: E (PAL), EA)
R1753	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R1754	1-211-990-11	METAL CHIP	75	0.5%	1/10W
					(XAV-622: E (PAL), EA)
R1754	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R1755	1-211-990-11	METAL CHIP	75	0.5%	1/10W
					(XAV-622: E (PAL), EA)
R1755	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R1781	1-216-864-11	SHORT CHIP	0		
R1782	1-216-864-11	SHORT CHIP	0		
R1783	1-216-864-11	SHORT CHIP	0		
R1787	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1788	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R1789	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2203	1-218-935-11	METAL CHIP	33	5%	1/16W
R2204	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2205	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2206	1-218-990-11	SHORT CHIP	0		
R2207	1-218-990-11	SHORT CHIP	0		
R2208	1-216-813-11	METAL CHIP	220	5%	1/10W
R2209	1-218-935-11	METAL CHIP	33	5%	1/16W
R2210	1-218-935-11	METAL CHIP	33	5%	1/16W
R2211	1-218-935-11	METAL CHIP	33	5%	1/16W
R2212	1-218-941-11	METAL CHIP	100	5%	1/16W
R2213	1-218-941-11	METAL CHIP	100	5%	1/16W

DISP

Ref. No.	Part No.	Description			Remark
R2214	1-218-941-11	METAL CHIP	100	5%	1/16W
R2215	1-218-941-11	METAL CHIP	100	5%	1/16W
R2216	1-218-935-11	METAL CHIP	33	5%	1/16W
R2217	1-218-935-11	METAL CHIP	33	5%	1/16W
R2218	1-218-935-11	METAL CHIP	33	5%	1/16W
R2219	1-218-935-11	METAL CHIP	33	5%	1/16W
R2220	1-218-935-11	METAL CHIP	33	5%	1/16W
R2221	1-216-295-00	SHORT CHIP	0		
R2222	1-218-935-11	METAL CHIP	33	5%	1/16W
R2224	1-218-933-11	METAL CHIP	22	5%	1/16W
R2225	1-216-295-00	SHORT CHIP	0		
R2226	1-218-990-11	SHORT CHIP	0		
R2227	1-218-935-11	METAL CHIP	33	5%	1/16W
R2228	1-218-941-11	METAL CHIP	100	5%	1/16W
R2229	1-218-941-11	METAL CHIP	100	5%	1/16W
R2230	1-218-941-11	METAL CHIP	100	5%	1/16W
R2235	1-218-933-11	METAL CHIP	22	5%	1/16W
R2236	1-218-990-11	SHORT CHIP	0		
R2237	1-218-929-11	METAL CHIP	10	5%	1/16W
R2238	1-218-933-11	METAL CHIP	22	5%	1/16W
R2239	1-218-933-11	METAL CHIP	22	5%	1/16W
R2240	1-218-990-11	SHORT CHIP	0		
R2241	1-218-990-11	SHORT CHIP	0		
R2242	1-218-990-11	SHORT CHIP	0		
R2243	1-218-990-11	SHORT CHIP	0		
R2244	1-218-990-11	SHORT CHIP	0		
R2245	1-218-990-11	SHORT CHIP	0		
R2246	1-218-990-11	SHORT CHIP	0		
R2247	1-218-990-11	SHORT CHIP	0		
R2248	1-218-990-11	SHORT CHIP	0		
R2249	1-218-990-11	SHORT CHIP	0		
R2250	1-218-990-11	SHORT CHIP	0		
R2251	1-218-990-11	SHORT CHIP	0		
R2252	1-218-990-11	SHORT CHIP	0		
R2253	1-218-990-11	SHORT CHIP	0		
R2254	1-218-990-11	SHORT CHIP	0		
R2255	1-218-990-11	SHORT CHIP	0		
R2256	1-218-990-11	SHORT CHIP	0		
R2257	1-218-990-11	SHORT CHIP	0		
R2258	1-218-990-11	SHORT CHIP	0		
R2259	1-218-990-11	SHORT CHIP	0		
R2260	1-218-990-11	SHORT CHIP	0		
R2261	1-218-990-11	SHORT CHIP	0		
R2262	1-218-990-11	SHORT CHIP	0		
R2264	1-218-990-11	SHORT CHIP	0		
R2265	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2266	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2291	1-216-295-00	SHORT CHIP	0		
R2292	1-218-990-11	SHORT CHIP	0		
R2321	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2351	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2352	1-218-953-11	METAL CHIP	1K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2353	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2354	1-216-817-11	METAL CHIP	470	5%	1/10W
				(XAV-622: E (PAL), EA)	
R2354	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		

Ref. No.	Part No.	Description			Remark
R2371	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2372	1-218-953-11	METAL CHIP	1K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2373	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2374	1-216-817-11	METAL CHIP	470	5%	1/10W
				(XAV-622: E (PAL), EA)	
R2374	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R2375	1-216-295-00	SHORT CHIP	0		
R2391	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2392	1-218-953-11	METAL CHIP	1K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2393	1-218-965-11	METAL CHIP	10K	5%	1/16W
				(XAV-622: E (PAL), EA)	
R2394	1-216-817-11	METAL CHIP	470	5%	1/10W
				(XAV-622: E (PAL), EA)	
R2394	1-216-864-11	SHORT CHIP	0		
			(EXCEPT XAV-622: E (PAL), EA)		
R2409	1-218-941-11	METAL CHIP	100	5%	1/16W
R2410	1-218-990-11	SHORT CHIP	0		
R2411	1-218-933-11	METAL CHIP	22	5%	1/16W
R2412	1-218-941-11	METAL CHIP	100	5%	1/16W
R2501	1-216-295-00	SHORT CHIP	0		
R2504	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2505	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2510	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2515	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2516	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2521	1-218-965-11	METAL CHIP	10K	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB1707	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB1708	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB1709	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2201	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2202	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2203	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2204	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2205	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2212	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB2213	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB2214	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB2215	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB2216	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB2401	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2402	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2403	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2404	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2405	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2406	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2407	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2408	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2409	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB2506	1-242-962-21	RES, NETWORK 82 (1005X4)			
RB2507	1-242-962-21	RES, NETWORK 82 (1005X4)			
RB2508	1-242-962-21	RES, NETWORK 82 (1005X4)			
RB2509	1-242-962-21	RES, NETWORK 82 (1005X4)			
RB2515	1-242-962-21	RES, NETWORK 82 (1005X4)			
RB2516	1-242-962-21	RES, NETWORK 82 (1005X4)			

DISP JACK KEY MAIN

Ref. No.	Part No.	Description	Remark
RB2517	1-242-962-21	RES, NETWORK 82 (1005X4)	
RB2518	1-242-962-21	RES, NETWORK 82 (1005X4)	
		< VARISTOR >	
VDR755	1-804-988-21	VARISTOR, CHIP (1608) (XAV-622: E (PAL), EA)	
VDR756	1-804-988-21	VARISTOR, CHIP (1608) (XAV-622: E (PAL), EA)	
VDR757	1-804-988-21	VARISTOR, CHIP (1608) (XAV-622: E (PAL), EA)	
VDR758	1-804-988-21	VARISTOR, CHIP (1608) (XAV-622: E (PAL), EA)	
VDR759	1-804-988-21	VARISTOR, CHIP (1608) (XAV-622: E (PAL), EA)	
		< VIBRATOR >	
X1701	1-814-308-11	VIBRATOR, CRYSTAL (27MHz)	
X2201	1-814-334-11	QUARTZ CRYSTAL UNITS (33MHz)	

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JACK BOARD
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Ref. No.	Part No.	Description	Remark
		< JACK >	
J901	1-821-687-31	JACK, 3.5 SMALL TYPE (AUX)	

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A-1804-067-A KEY BOARD, COMPLETE
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Ref. No.	Part No.	Description	Remark
		< CAPACITOR >	
C1501	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	
		< CONNECTOR >	
CN1501	1-793-331-31	CONNECTOR, FFC/FPC (LIF) 20P	
CN1551	1-842-635-11	CONNECTOR, USB (SOCKET) ()	
CN1552	1-691-550-11	PIN, CONNECTOR (1.5mm) (SMD) 3P	
		< DIODE >	
D1504	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1505	6-503-205-01	DIODE RKZ6.8B2KGP1	
D1507	6-502-395-01	LED SL-194S-WS-SD-T (TOP)	
D1508	6-502-395-01	LED SL-194S-WS-SD-T (SOURCE/▬OFF)	
D1509	6-502-395-01	LED SL-194S-WS-SD-T (⏏)	
		< FERRITE BEAD >	
FB1501	1-469-835-21	INDUCTOR, FERRITE BEAD	
FB1502	1-469-835-21	INDUCTOR, FERRITE BEAD	
FB1503	1-469-084-21	INDUCTOR, FERRITE BEAD (1005)	
FB1504	1-469-084-21	INDUCTOR, FERRITE BEAD (1005)	
FB1505	1-469-084-21	INDUCTOR, FERRITE BEAD (1005)	
		< IC >	
IC1501	6-600-806-01	IC PNJ4813M01S0	
		< COIL >	
L1551	1-457-223-11	COMMON MODE CHOKE COIL	
		< RESISTOR >	
R1501	1-218-941-11	METAL CHIP 100 5% 1/16W	
R1502	1-218-990-11	SHORT CHIP 0	
R1503	1-216-820-11	METAL CHIP 820 5% 1/10W	
R1504	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1511	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R1512	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1513	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R1514	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1515	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1516	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1521	1-218-990-11	SHORT CHIP 0	
R1522	1-218-990-11	SHORT CHIP 0	
R1560	1-218-990-11	SHORT CHIP 0	
R1561	1-218-990-11	SHORT CHIP 0	
R1562	1-218-990-11	SHORT CHIP 0	
		< SWITCH >	
S1501	1-798-284-11	TACTILE SWITCH (RESET)	
S1502	1-786-653-21	SWITCH, TACTILE (SOURCE/▬OFF)	
S1503	1-798-284-11	TACTILE SWITCH (⏏)	
S1504	1-786-653-21	SWITCH, TACTILE (TOP)	
S1507	1-418-921-11	ENCODER, ROTARY (VOLUME)	
		< VARISTOR >	
VDR552	1-804-988-21	VARISTOR, CHIP (1608)	
VDR553	1-804-988-21	VARISTOR, CHIP (1608)	
VDR554	1-804-988-21	VARISTOR, CHIP (1608)	
VDR557	1-802-995-21	VARISTOR, CHIP	
VDR558	1-802-995-21	VARISTOR, CHIP	

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Ref. No.	Part No.	Description	Remark
	A-1804-057-A	MAIN BOARD, COMPLETE (XAV-622: US, CND)	
	A-1804-058-A	MAIN BOARD, COMPLETE (XAV-622: AEP, UK)	
	A-1804-059-A	MAIN BOARD, COMPLETE (XAV-E622)	
	A-1804-060-A	MAIN BOARD, COMPLETE (XAV-622: E (NTSC))	
	A-1804-061-A	MAIN BOARD, COMPLETE (XAV-622: E (PAL))	
	A-1804-062-A	MAIN BOARD, COMPLETE (XAV-622: EA)	
	A-1804-676-A	MAIN BOARD, COMPLETE (XAV-62BT: US, CND)	
	A-1804-677-A	MAIN BOARD, COMPLETE (XAV-62BT: AEP, UK)	
	A-1804-678-A	MAIN BOARD, COMPLETE (XAV-E62BT)	
	A-1804-679-A	MAIN BOARD, COMPLETE (XAV-62BT: E (NTSC))	
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	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
	7-685-792-09	SCREW +PTT 2.6X6 (S)	
	7-685-794-09	SCREW +PTT 2.6X10 (S)	
		< CAPACITOR >	
C1	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C5	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C6	1-162-917-11	CERAMIC CHIP 15PF 5% 50V	
C8	1-162-921-11	CERAMIC CHIP 33PF 5% 50V	
C9	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C12	1-127-715-11	CERAMIC CHIP 0.22uF 10% 16V	
C13	1-100-742-91	CERAMIC CHIP 2.2uF 20% 10V	
C14	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C15	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C16	1-125-891-11	CERAMIC CHIP 0.47uF 10% 10V	
C17	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C18	1-162-916-11	CERAMIC CHIP 12PF 5% 50V	
C19	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C20	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C21	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	
C22	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C23	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C24	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C25	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C26	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C27	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C28	1-126-947-11	ELECT 47uF 20% 35V	

Ref. No.	Part No.	Description				Remark
C31	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C32	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	(US, CND)
C101	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V	
C102	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C103	1-126-947-11	ELECT	47uF	20%	35V	
C104	1-104-652-11	ELECT	470uF	20%	10V	
C105	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C107	1-126-934-11	ELECT	220uF	20%	16V	
C108	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C109	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C110	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C111	1-126-934-11	ELECT	220uF	20%	16V	
C112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C113	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C115	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C116	1-126-934-11	ELECT	220uF	20%	16V	
C117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C118	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	
C125	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V	
C126	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V	
C128	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C131	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V	
C301	1-107-906-11	ELECT	10uF	20%	50V	
C302	1-107-906-11	ELECT	10uF	20%	50V	
C303	1-107-906-11	ELECT	10uF	20%	50V	
C304	1-107-906-11	ELECT	10uF	20%	50V	
C305	1-107-906-11	ELECT	10uF	20%	50V	
C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C307	1-107-906-11	ELECT	10uF	20%	50V	
C308	1-107-882-11	ELECT	100uF	20%	16V	
C309	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C311	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	
C312	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	
C313	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	
C314	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	
C315	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	
C317	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C318	1-107-906-11	ELECT	10uF	20%	50V	
C319	1-107-906-11	ELECT	10uF	20%	50V	
C320	1-107-906-11	ELECT	10uF	20%	50V	
C321	1-107-906-11	ELECT	10uF	20%	50V	
C322	1-107-906-11	ELECT	10uF	20%	50V	
C323	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C325	1-107-906-11	ELECT	10uF	20%	50V	
C326	1-107-906-11	ELECT	10uF	20%	50V	
C327	1-164-005-11	CERAMIC CHIP	0.47uF		25V	
C328	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C329	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C330	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C331	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C332	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C333	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C334	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	(XAV-622: E (PAL), EA)
C335	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C336	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	
C337	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C338	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C339	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V	
C340	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C341	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	
C342	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(XAV-622: E (PAL), EA)
C343	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(XAV-622: E (PAL), EA)
C344	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C348	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(XAV-62BT/E62BT)
C349	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(XAV-62BT/E62BT)
C350	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(XAV-62BT/E62BT)
C351	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(XAV-62BT/E62BT)
C352	1-164-005-11	CERAMIC CHIP	0.47uF		25V	
C353	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	(XAV-62BT/E62BT)
C354	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	(XAV-62BT/E62BT)
C355	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	(XAV-62BT/E62BT)
C356	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	(XAV-62BT/E62BT)
C401	1-126-934-11	ELECT	220uF	20%	16V	
C402	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C403	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C407	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C410	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C411	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C412	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C432	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C451	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(XAV-622: E (PAL), EA)
C452	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	(XAV-622: E (PAL), EA)
C453	1-100-352-11	CERAMIC CHIP	1uF	20%	16V	(XAV-622: E (PAL), EA)
C454	1-100-352-11	CERAMIC CHIP	1uF	20%	16V	(XAV-622: E (PAL), EA)
C455	1-126-947-11	ELECT	47uF	20%	35V	(XAV-622: E (PAL), EA)
C456	1-100-352-11	CERAMIC CHIP	1uF	20%	16V	(XAV-622: E (PAL), EA)
C457	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	(XAV-622: E (PAL), EA)
C458	1-128-551-11	ELECT	22uF	20%	63V	(XAV-622: E (PAL), EA)
C459	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	(XAV-622: E (PAL), EA)
C501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C503	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C507	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C512	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C516	1-126-926-11	ELECT	1000uF	20%	10V	
C517	1-126-924-11	ELECT	330uF	20%	10V	
C518	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	

MAIN

Ref. No.	Part No.	Description			Remark
C520	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C523	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C524	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C526	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C528	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C602	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C603	1-165-733-91	ELECT	100uF	20%	25V
C604	1-126-941-11	ELECT	470uF	20%	25V (US, CND)
C605	1-100-671-11	CERAMIC CHIP	4.7uF	20%	25V
C606	1-100-597-91	CERAMIC CHIP	0.1uF	10%	25V
C609	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C610	1-126-935-11	ELECT	470uF	20%	16V
C612	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C613	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (US, CND)
C614	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C615	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C619	1-165-319-11	CERAMIC CHIP	0.1uF		50V (US, CND)
C620	1-165-319-11	CERAMIC CHIP	0.1uF		50V (US, CND)
C622	1-100-912-11	CERAMIC CHIP	1uF	10%	25V
C623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C624	1-100-671-11	CERAMIC CHIP	4.7uF	20%	25V
C625	1-165-733-91	ELECT	100uF	20%	25V
C626	1-164-217-11	CERAMIC CHIP	150PF	5%	50V
C627	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C628	1-126-935-11	ELECT	470uF	20%	16V
C630	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C631	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C634	1-126-933-11	ELECT	100uF	20%	16V
C635	1-126-933-11	ELECT	100uF	20%	16V
C636	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C637	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C638	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C639	1-126-933-11	ELECT	100uF	20%	16V
C701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C707	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C708	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C709	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C710	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C713	1-126-933-11	ELECT	100uF	20%	16V
C714	1-126-947-11	ELECT	47uF	20%	35V
C715	1-124-233-11	ELECT	10uF	20%	16V
C716	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C717	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C718	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C801	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C802	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C803	1-126-963-11	ELECT	4.7uF	20%	50V
C804	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C807	1-112-839-11	ELECT	4700uF	20%	16V
C808	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C810	1-126-947-11	ELECT	47uF	20%	35V
C811	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C812	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C813	1-107-907-11	ELECT	22uF	20%	50V
C814	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C815	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C818	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C819	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C822	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C823	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C824	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C825	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C826	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C827	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C828	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C829	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C830	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C832	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C833	1-107-909-11	ELECT	47uF	20%	50V
C834	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C835	1-107-909-11	ELECT	47uF	20%	50V
C836	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C837	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C838	1-126-964-11	ELECT	10uF	20%	50V
C839	1-107-909-11	ELECT	47uF	20%	50V
C840	1-107-909-11	ELECT	47uF	20%	50V
C841	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C842	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C843	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C845	1-126-964-11	ELECT	10uF	20%	50V
C846	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C901	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C904	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C905	1-126-933-11	ELECT	100uF	20%	16V
C907	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C908	1-100-352-11	CERAMIC CHIP	1uF	20%	16V
C909	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C911	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CN101	(Not supplied)	CONNECTOR, FFC/FPC (ZIF) 60P	
* CN402	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	
CN451	1-573-806-21	PIN, CONNECTOR (1.5mm) (SMD) 6P	(XAV-622: E (PAL), EA)
CN601	1-580-907-41	PLUG, CONNECTOR (BUS CONTROL IN)	(US, CND)
CN702	1-573-806-21	PIN, CONNECTOR (1.5mm) (SMD) 6P	
CN703	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN751	1-573-768-21	PIN, CONNECTOR (1.5mm) (SMD) 5P	(XAV-622: E (PAL), EA)
CN801	1-774-701-21	PIN, CONNECTOR 16P	
CN803	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	
CN901	(Not supplied)	CONNECTOR, FFC/FPC (ZIF) 60P	
CN903	(Not supplied)	CONNECTOR, FFC/FPC (ZIF) 20P	
CN904	1-785-125-21	CONNECTOR 6P (XAV-62BT/E62BT)	
CN906	1-817-068-21	CONNECTOR 9P (XAV-62BT/E62BT)	

Note: CN101, CN901 and CN903 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D101	6-500-334-01	DIODE MC2836-T112-1	
D301	6-503-205-01	DIODE RKZ6.8B2KGP1	
D302	6-503-213-01	DIODE RKZ18B2KGP1	
D401	6-502-131-01	DIODE LRB751V-40T1G	
D501	6-500-335-01	DIODE MC2838-T112-1	
D502	6-502-131-01	DIODE LRB751V-40T1G	
D503	6-502-131-01	DIODE LRB751V-40T1G	
D504	6-502-131-01	DIODE LRB751V-40T1G (XAV-62BT/E62BT)	
D505	6-502-961-01	DIODE DA2J10100L (XAV-62BT/E62BT)	
D603	6-503-213-01	DIODE RKZ18B2KGP1 (US, CND)	
D604	6-501-657-01	DIODE MA24D5000BS0	
D605	6-503-204-01	DIODE RKZ6.2B2KGP1 (US, CND)	
D605	6-503-206-01	DIODE RKZ7.5B2KGP1 (EXCEPT US, CND)	
D606	6-503-213-01	DIODE RKZ18B2KGP1	
D607	6-503-213-01	DIODE RKZ18B2KGP1 (US, CND)	
D608	6-503-213-01	DIODE RKZ18B2KGP1 (US, CND)	
D610	6-502-131-01	DIODE LRB751V-40T1G (US, CND)	
D611	6-501-657-01	DIODE MA24D5000BS0	
D612	6-503-202-01	DIODE RKZ5.1B2KGP1	
D703	1-805-043-11	ABSORBER, CHIP SURGE	
D704	1-805-043-11	ABSORBER, CHIP SURGE	
D801	6-502-961-01	DIODE DA2J10100L	
D802	6-503-213-01	DIODE RKZ18B2KGP1	
D803	6-503-213-01	DIODE RKZ18B2KGP1	
D804	6-503-213-01	DIODE RKZ18B2KGP1	
D806	6-503-213-01	DIODE RKZ18B2KGP1	
D807	6-503-213-01	DIODE RKZ18B2KGP1	
D808	6-503-213-01	DIODE RKZ18B2KGP1	
D809	6-502-961-01	DIODE DA2J10100L	
D812	6-502-961-01	DIODE DA2J10100L	
D813	6-502-643-01	DIODE 1A4-A2	
D815	6-502-643-01	DIODE 1A4-A2	
D817	6-502-643-01	DIODE 1A4-A2	
D818	6-502-643-01	DIODE 1A4-A2	
D819	6-502-643-01	DIODE 1A4-A2	
D820	6-502-643-01	DIODE 1A4-A2	
D821	6-502-643-01	DIODE 1A4-A2	
D822	6-502-643-01	DIODE 1A4-A2	
D823	6-502-643-01	DIODE 1A4-A2	
D824	6-502-643-01	DIODE 1A4-A2	
D825	6-502-643-01	DIODE 1A4-A2	
D826	6-502-643-01	DIODE 1A4-A2	
D827	6-502-643-01	DIODE 1A4-A2	
D828	6-502-643-01	DIODE 1A4-A2	
D829	6-503-238-01	DIODE GN1G	
D901	6-503-205-01	DIODE RKZ6.8B2KGP1	
		< FERRITE BEAD >	
FB1	1-400-334-21	FERRITE, EMI (SMD) (1608) (US, CND)	
FB2	1-400-334-21	FERRITE, EMI (SMD) (1608) (US, CND)	
FB3	1-400-334-21	FERRITE, EMI (SMD) (1608) (US, CND)	
FB4	1-400-334-21	FERRITE, EMI (SMD) (1608) (US, CND)	
FB301	1-414-228-11	INDUCTOR, FERRITE BEAD	
FB601	1-414-595-11	INDUCTOR, FERRITE BEAD	
FB602	1-414-595-11	INDUCTOR, FERRITE BEAD	
FB701	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB703	1-414-385-21	INDUCTOR, FERRITE BEAD	
FB704	1-500-329-21	INDUCTOR, FERRITE BEAD	
FB901	1-500-329-21	INDUCTOR, FERRITE BEAD	
		< IC >	
IC1	6-714-162-01	IC TEF6617T/V1/S470, 518	
IC101	6-709-213-01	IC NJM2387ADL3 (TE2)	
* IC102	6-704-337-01	IC BD7931F	
IC103	6-714-707-01	IC NJM2885DL1-19 (TE2)	
IC301	6-714-623-01	IC BD3467FV-E2	
IC402	6-717-204-01	IC R5F364A6DZ99FA (for SERVICE)	
IC451	8-759-048-67	IC BA3121F (XAV-622: E (PAL), EA)	
IC501	6-712-776-01	IC PST8228UL	
IC502	6-717-203-01	IC R5F364AMDZ98FB (for SERVICE)	
IC503	6-702-302-01	IC TK11133CSCL-G	
IC504	6-714-393-01	IC R1EX24016ATAS0A	
IC601	6-703-884-01	IC BA8271F-E2 (US, CND)	
IC602	6-716-689-01	IC BD9007HFP-TR	
IC603	6-714-602-01	IC BD9070FP-E2	
IC701	8-759-353-00	IC NJM2534M (TE2)	
IC703	6-716-678-01	IC NJM41050V (TE2)	
IC801	6-715-848-11	IC TDF8556AJ/N3	
		< JACK >	
J1	1-822-949-21	JACK (ANT) (ANTENNA IN)	
J601	1-566-822-81	JACK (REMOTE IN)	
J602	1-822-714-11	JACK, PIN 6P (AUX/BUS AUDIO IN, REAR/SUB AUDIO OUT, FRONT AUDIO OUT)	
		< COIL >	
L1	1-414-180-51	INDUCTOR 3.3uH	
L2	1-410-501-61	INDUCTOR 2.2uH	
L6	1-457-817-11	COIL (FM MIX)	
L7	1-481-285-51	INDUCTOR 560uH	
L8	1-481-285-51	INDUCTOR 560uH	
L101	1-481-182-21	INDUCTOR 22uH	
L103	1-400-675-11	INDUCTOR 10uH	
L104	1-481-182-21	INDUCTOR 22uH	
L105	1-400-675-11	INDUCTOR 10uH	
L401	1-400-675-11	INDUCTOR 10uH	
L501	1-414-400-11	INDUCTOR 22uH	
L601	1-424-980-21	COIL, CHOKE (SMD) 22uH	
L602	1-412-533-21	INDUCTOR 47uH	
L603	1-412-533-21	INDUCTOR 47uH	
L604	1-457-378-21	COIL, CHOKE 47uH	
L605	1-412-525-31	INDUCTOR 10uH	
L606	1-457-696-11	INDUCTOR 4.7uH	
L701	1-400-675-11	INDUCTOR 10uH	
L702	1-481-657-21	INDUCTOR 3.3uH	
L703	1-481-657-21	INDUCTOR 3.3uH	
L801	1-456-617-11	COIL, CHOKE	
		< TRANSISTOR >	
Q101	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q301	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q302	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q303	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q304	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q305	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q306	6-550-683-01	FET RJK005N03-T146 (US, CND)	
Q307	6-551-677-01	TRANSISTOR RTAN140M-T111-1	
Q308	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	

MAIN

Ref. No.	Part No.	Description				Remark
Q401	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q402	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q403	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q404	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q405	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q452	6-552-430-01	TRANSISTOR	DRC5114E0L			(XAV-622: E (PAL), EA)
Q453	6-552-430-01	TRANSISTOR	DRC5114E0L			(XAV-622: E (PAL), EA)
Q454	6-552-430-01	TRANSISTOR	DRC5114E0L			(XAV-622: E (PAL), EA)
Q455	6-552-430-01	TRANSISTOR	DRC5114E0L			(XAV-622: E (PAL), EA)
Q501	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q502	6-552-410-01	TRANSISTOR	DRA5114E0L			(XAV-62BT/E62BT)
Q601	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q607	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			(EXCEPT US, CND)
Q608	6-552-444-01	TRANSISTOR	DRC5144E0L			(EXCEPT US, CND)
Q609	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q610	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q611	6-551-923-01	FET	TPC6108 (T5RSONYF, M			
Q701	6-550-683-01	FET	RJK005N03-T146			
Q702	6-551-677-01	TRANSISTOR	RTAN140M-T111-1			
Q703	6-551-677-01	TRANSISTOR	RTAN140M-T111-1			
Q704	6-551-677-01	TRANSISTOR	RTAN140M-T111-1			
Q705	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q706	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q801	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			
Q802	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			
Q803	8-729-620-13	TRANSISTOR	2SC4154TP-1EF			
Q804	6-552-410-01	TRANSISTOR	DRA5114E0L			
Q805	6-552-430-01	TRANSISTOR	DRC5114E0L			
Q901	6-551-699-01	TRANSISTOR	ISA1602AM1-T111-1EF			
Q902	6-552-430-01	TRANSISTOR	DRC5114E0L			
		< RESISTOR >				
R1	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R2	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R3	1-216-864-11	SHORT CHIP	0 (EXCEPT US, CND)			
R11	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R12	1-216-009-00	METAL CHIP	22	5%	1/10W	
R13	1-216-809-11	METAL CHIP	100	5%	1/10W	
R14	1-216-809-11	METAL CHIP	100	5%	1/10W	
R15	1-216-864-11	SHORT CHIP	0 (EXCEPT US, CND)			
R16	1-216-864-11	SHORT CHIP	0 (EXCEPT US, CND)			
R17	1-216-864-11	SHORT CHIP	0 (EXCEPT US, CND)			
R101	1-216-295-00	SHORT CHIP	0			
R102	1-216-295-00	SHORT CHIP	0			
R103	1-216-295-00	SHORT CHIP	0			
R104	1-216-295-00	SHORT CHIP	0			
R105	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R106	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R107	1-216-864-11	SHORT CHIP	0			
R108	1-216-864-11	SHORT CHIP	0			
R109	1-216-864-11	SHORT CHIP	0			
R110	1-216-295-00	SHORT CHIP	0			
R111	1-216-864-11	SHORT CHIP	0			
R112	1-216-864-11	SHORT CHIP	0			

Ref. No.	Part No.	Description				Remark
R113	1-216-864-11	SHORT CHIP	0			
R114	1-216-864-11	SHORT CHIP	0			
R115	1-216-864-11	SHORT CHIP	0			
R116	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R117	1-216-864-11	SHORT CHIP	0			
R118	1-216-864-11	SHORT CHIP	0			
R119	1-216-864-11	SHORT CHIP	0			
R120	1-216-864-11	SHORT CHIP	0			
R121	1-216-864-11	SHORT CHIP	0			
R122	1-216-295-00	SHORT CHIP	0			
R123	1-216-864-11	SHORT CHIP	0			
R125	1-216-864-11	SHORT CHIP	0			
R127	1-216-864-11	SHORT CHIP	0			
R128	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R130	1-216-817-11	METAL CHIP	470	5%	1/10W	
R131	1-216-864-11	SHORT CHIP	0			
R133	1-216-864-11	SHORT CHIP	0			
R140	1-216-295-00	SHORT CHIP	0			
R141	1-216-295-00	SHORT CHIP	0			
R142	1-216-864-11	SHORT CHIP	0			
R143	1-216-864-11	SHORT CHIP	0			
R144	1-216-864-11	SHORT CHIP	0			
R145	1-216-864-11	SHORT CHIP	0			
R146	1-216-864-11	SHORT CHIP	0			
R147	1-216-864-11	SHORT CHIP	0			
R151	1-216-864-11	SHORT CHIP	0			
R152	1-216-864-11	SHORT CHIP	0			
R158	1-211-990-11	METAL CHIP	75	0.5%	1/10W	
R160	1-216-864-11	SHORT CHIP	0			
R301	1-216-813-11	METAL CHIP	220	5%	1/10W	
R302	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R303	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R304	1-216-813-11	METAL CHIP	220	5%	1/10W	
R305	1-216-813-11	METAL CHIP	220	5%	1/10W	
R306	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R307	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	(US, CND)
R308	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R309	1-216-813-11	METAL CHIP	220	5%	1/10W	
R310	1-216-813-11	METAL CHIP	220	5%	1/10W	
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R313	1-216-813-11	METAL CHIP	220	5%	1/10W	
R314	1-216-809-11	METAL CHIP	100	5%	1/10W	(US, CND)
R314	1-216-817-11	METAL CHIP	470	5%	1/10W	(EXCEPT US, CND)
R315	1-216-864-11	SHORT CHIP	0			
R316	1-216-864-11	SHORT CHIP	0			
R317	1-216-864-11	SHORT CHIP	0			
R318	1-216-864-11	SHORT CHIP	0			
R319	1-216-864-11	SHORT CHIP	0			
R320	1-216-864-11	SHORT CHIP	0			
R321	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R323	1-216-864-11	SHORT CHIP	0			
R324	1-216-864-11	SHORT CHIP	0			
R325	1-216-864-11	SHORT CHIP	0			
R326	1-216-864-11	SHORT CHIP	0			
R327	1-216-864-11	SHORT CHIP	0			
R328	1-216-864-11	SHORT CHIP	0			
R329	1-216-845-11	METAL CHIP	100K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R330	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R331	1-216-864-11	SHORT CHIP	0			
R332	1-216-864-11	SHORT CHIP	0			
R333	1-216-864-11	SHORT CHIP	0			
R334	1-216-864-11	SHORT CHIP	0			
R335	1-216-864-11	SHORT CHIP	0			
R336	1-216-864-11	SHORT CHIP	0			
R337	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	(XAV-622: E (PAL), EA)
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W	(XAV-622: E (PAL), EA)
R339	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R340	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R341	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R342	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R343	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R344	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R345	1-216-817-11	METAL CHIP	470	5%	1/10W	
R346	1-216-817-11	METAL CHIP	470	5%	1/10W	
R347	1-216-821-11	METAL CHIP	1K	5%	1/10W	(XAV-622: E (PAL), EA)
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W	(XAV-622: E (PAL), EA)
R349	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R350	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R353	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R355	1-216-864-11	SHORT CHIP	0			
R356	1-216-864-11	SHORT CHIP	0			
R357	1-216-864-11	SHORT CHIP	0			
R407	1-216-864-11	SHORT CHIP	0			
R408	1-216-864-11	SHORT CHIP	0			
R412	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R414	1-216-864-11	SHORT CHIP	0			
R415	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R416	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R417	1-216-864-11	SHORT CHIP	0			
R418	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R419	1-216-864-11	SHORT CHIP	0			
R420	1-216-864-11	SHORT CHIP	0			
R421	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R422	1-216-864-11	SHORT CHIP	0			
R423	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R425	1-216-864-11	SHORT CHIP	0			
R426	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R428	1-216-864-11	SHORT CHIP	0			
R429	1-216-864-11	SHORT CHIP	0			
R431	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R432	1-216-864-11	SHORT CHIP	0			
R433	1-216-864-11	SHORT CHIP	0			
R434	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R435	1-216-864-11	SHORT CHIP	0			
R436	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R437	1-216-864-11	SHORT CHIP	0			
R438	1-216-864-11	SHORT CHIP	0			
R439	1-216-864-11	SHORT CHIP	0			
R440	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R441	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R442	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R443	1-216-864-11	SHORT CHIP	0			
R445	1-216-864-11	SHORT CHIP	0			
R446	1-216-864-11	SHORT CHIP	0			
R448	1-216-864-11	SHORT CHIP	0			
R450	1-216-864-11	SHORT CHIP	0			
R452	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R453	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R454	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R455	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R457	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R458	1-216-864-11	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R460	1-216-805-11	METAL CHIP	47	5%	1/10W	(XAV-622: E (PAL), EA)
R461	1-216-805-11	METAL CHIP	47	5%	1/10W	(XAV-622: E (PAL), EA)
R462	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(XAV-622: E (PAL), EA)
R463	1-216-803-11	METAL CHIP	33	5%	1/10W	(XAV-622: E (PAL), EA)
R464	1-216-833-11	METAL CHIP	10K	5%	1/10W	(XAV-622: E (PAL), EA)
R466	1-216-821-11	METAL CHIP	1K	5%	1/10W	(XAV-622: E (PAL), EA)
R467	1-216-833-11	METAL CHIP	10K	5%	1/10W	(XAV-622: E (PAL), EA)
R468	1-216-833-11	METAL CHIP	10K	5%	1/10W	(XAV-622: E (PAL), EA)
R469	1-216-295-00	SHORT CHIP	0			(XAV-622: E (PAL), EA)
R501	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R505	1-216-809-11	METAL CHIP	100	5%	1/10W	
R506	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R507	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R509	1-216-864-11	SHORT CHIP	0			
R510	1-216-864-11	SHORT CHIP	0			
R511	1-216-864-11	SHORT CHIP	0			
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R513	1-216-864-11	SHORT CHIP	0			
R514	1-216-845-11	METAL CHIP	100K	5%	1/10W	(XAV-622: E (PAL), EA)
R515	1-216-864-11	SHORT CHIP	0			(EXCEPT XAV-622: E (PAL), EA)
R516	1-216-864-11	SHORT CHIP	0			(XAV-62BT/E62BT)
R517	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R518	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R520	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R521	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R522	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R524	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R525	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R527	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R528	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R529	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R530	1-216-809-11	METAL CHIP	100	5%	1/10W	
R531	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W	(XAV-62BT/E62BT)
R533	1-216-864-11	SHORT CHIP	0			(XAV-62BT/E62BT)
R534	1-216-809-11	METAL CHIP	100	5%	1/10W	
R535	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R536	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R537	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R539	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R541	1-216-864-11	SHORT CHIP	0			

MAIN

Ref. No.	Part No.	Description			Remark
R542	1-216-845-11	METAL CHIP	100K	5%	1/10W
R543	1-216-809-11	METAL CHIP	100	5%	1/10W
R544	1-216-809-11	METAL CHIP	100	5%	1/10W
R545	1-216-845-11	METAL CHIP	100K	5%	1/10W
R546	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R548	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(US, CND)
R550	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(US, CND)
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(US, CND)
R553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R555	1-216-864-11	SHORT CHIP	0		
R556	1-219-570-11	METAL CHIP	10M	5%	1/10W
R557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R559	1-216-809-11	METAL CHIP	100	5%	1/10W
R561	1-216-841-11	METAL CHIP	47K	5%	1/10W
R562	1-216-849-11	METAL CHIP	220K	5%	1/10W
R563	1-216-864-11	SHORT CHIP	0		
R564	1-216-864-11	SHORT CHIP	0		
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-62BT/E62BT)
R566	1-216-864-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R567	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-62BT/E62BT)
R568	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-62BT/E62BT)
R571	1-216-864-11	SHORT CHIP	0 (XAV-622/E622)		
R572	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-62BT/E62BT)
R590	1-216-864-11	SHORT CHIP	0 (XAV-62BT/XAV-622)		
R591	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-E62BT/E622)
R592	1-216-864-11	SHORT CHIP	0		
					(EXCEPT XAV-62BT: E (NTSC)/XAV-622: E, EA)
R593	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-62BT: E (NTSC)/XAV-622: E, EA)
R594	1-216-864-11	SHORT CHIP	0		
					(EXCEPT US, CND, E (NTSC))
R595	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(US, CND, E (NTSC))
R596	1-216-864-11	SHORT CHIP	0 (EXCEPT XAV-622: EA)		
R597	1-216-845-11	METAL CHIP	100K	5%	1/10W
					(XAV-622: EA)
R603	1-216-864-11	SHORT CHIP	0		
R604	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(US, CND)
R605	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(US, CND)
R606	1-216-864-11	SHORT CHIP	0 (US, CND)		
R607	1-216-809-11	METAL CHIP	100	5%	1/10W
					(US, CND)
R608	1-216-851-11	METAL CHIP	330K	5%	1/10W
					(US, CND)
R609	1-216-851-11	METAL CHIP	330K	5%	1/10W
					(US, CND)
R610	1-216-809-11	METAL CHIP	100	5%	1/10W
					(US, CND)

Ref. No.	Part No.	Description			Remark
R611	1-216-845-11	METAL CHIP	100K	5%	1/10W
R612	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R613	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R614	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R615	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R616	1-216-809-11	METAL CHIP	100	5%	1/10W
					(US, CND)
R617	1-216-843-11	METAL CHIP	68K	5%	1/10W
R618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R619	1-216-864-11	SHORT CHIP	0		
R622	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(EXCEPT US, CND)
R622	1-216-835-11	METAL CHIP	15K	5%	1/10W
					(US, CND)
R623	1-216-821-11	METAL CHIP	1K	5%	1/10W
R624	1-216-864-11	SHORT CHIP	0 (US, CND)		
R625	1-216-864-11	SHORT CHIP	0 (US, CND)		
R631	1-216-849-11	METAL CHIP	220K	5%	1/10W
					(EXCEPT US, CND)
R633	1-216-820-11	METAL CHIP	820	5%	1/10W
R634	1-216-820-11	METAL CHIP	820	5%	1/10W
R635	1-216-820-11	METAL CHIP	820	5%	1/10W
R636	1-216-841-11	METAL CHIP	47K	5%	1/10W
R637	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R638	1-245-816-11	METAL CHIP	2.2K	0.5%	1/10W
R639	1-245-816-11	METAL CHIP	2.2K	0.5%	1/10W
R640	1-245-806-11	METAL CHIP	820	0.5%	1/10W
R641	1-216-809-11	METAL CHIP	100	5%	1/10W
R642	1-216-836-11	METAL CHIP	18K	5%	1/10W
R643	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R644	1-216-817-11	METAL CHIP	470	5%	1/10W
R646	1-216-817-11	METAL CHIP	470	5%	1/10W
R647	1-216-295-00	SHORT CHIP	0		
R650	1-216-864-11	SHORT CHIP	0		
R652	1-216-864-11	SHORT CHIP	0		
R701	1-216-864-11	SHORT CHIP	0		
R704	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R705	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R706	1-216-864-11	SHORT CHIP	0		
R708	1-216-845-11	METAL CHIP	100K	5%	1/10W
R709	1-216-295-00	SHORT CHIP	0		
R710	1-211-989-11	METAL CHIP	68	0.5%	1/10W
R712	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R713	1-216-864-11	SHORT CHIP	0		
R715	1-216-864-11	SHORT CHIP	0		
R716	1-216-864-11	SHORT CHIP	0		
R717	1-216-864-11	SHORT CHIP	0		
R801	1-216-841-11	METAL CHIP	47K	5%	1/10W
R802	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R803	1-216-841-11	METAL CHIP	47K	5%	1/10W
R804	1-216-837-11	METAL CHIP	22K	5%	1/10W
R805	1-216-845-11	METAL CHIP	100K	5%	1/10W
R806	1-216-833-11	METAL CHIP	10K	5%	1/10W
R807	1-216-833-11	METAL CHIP	10K	5%	1/10W
R809	1-249-425-11	CARBON	4.7K	5%	1/4W
R810	1-216-821-11	METAL CHIP	1K	5%	1/10W
R811	1-216-841-11	METAL CHIP	47K	5%	1/10W
R812	1-249-425-11	CARBON	4.7K	5%	1/4W
R814	1-216-821-11	METAL CHIP	1K	5%	1/10W
R815	1-216-801-11	METAL CHIP	22	5%	1/10W
R816	1-216-295-00	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R817	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R818	1-216-841-11	METAL CHIP	47K	5%	1/10W
R819	1-216-811-11	METAL CHIP	150	5%	1/10W
R820	1-216-033-00	METAL CHIP	220	5%	1/10W
R821	1-216-033-00	METAL CHIP	220	5%	1/10W
R822	1-216-033-00	METAL CHIP	220	5%	1/10W
R823	1-216-033-00	METAL CHIP	220	5%	1/10W
R824	1-216-295-00	SHORT CHIP	0		
R902	1-216-864-11	SHORT CHIP	0		
R903	1-218-990-11	SHORT CHIP	0		
R904	1-218-990-11	SHORT CHIP	0		
R906	1-218-990-11	SHORT CHIP	0		
R907	1-218-990-11	SHORT CHIP	0		
R908	1-218-990-11	SHORT CHIP	0		
R909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R910	1-218-990-11	SHORT CHIP	0		
R911	1-218-990-11	SHORT CHIP	0		
R912	1-218-990-11	SHORT CHIP	0		
R913	1-218-990-11	SHORT CHIP	0		
R914	1-216-837-11	METAL CHIP	22K	5%	1/10W
R915	1-216-864-11	SHORT CHIP	0		
R916	1-216-864-11	SHORT CHIP	0		
R921	1-218-990-11	SHORT CHIP	0		
R922	1-218-990-11	SHORT CHIP	0		
R923	1-218-990-11	SHORT CHIP	0		
R924	1-218-990-11	SHORT CHIP	0		
R925	1-218-990-11	SHORT CHIP	0		
R926	1-218-990-11	SHORT CHIP	0		
R927	1-218-990-11	SHORT CHIP	0		
R928	1-218-990-11	SHORT CHIP	0		
R929	1-218-990-11	SHORT CHIP	0		
R930	1-216-864-11	SHORT CHIP	0		
R931	1-218-990-11	SHORT CHIP	0		
R932	1-218-990-11	SHORT CHIP	0		
R934	1-218-990-11	SHORT CHIP	0		
R935	1-218-990-11	SHORT CHIP	0		
R936	1-216-864-11	SHORT CHIP	0		
R937	1-216-864-11	SHORT CHIP	0		
R938	1-218-990-11	SHORT CHIP	0		
R939	1-218-990-11	SHORT CHIP	0		
R940	1-218-990-11	SHORT CHIP	0		
R941	1-218-990-11	SHORT CHIP	0		
R942	1-218-990-11	SHORT CHIP	0		
R943	1-216-864-11	SHORT CHIP	0		
R944	1-218-990-11	SHORT CHIP	0		
R945	1-218-990-11	SHORT CHIP	0		
R946	1-218-990-11	SHORT CHIP	0		
R947	1-218-990-11	SHORT CHIP	0		
R948	1-218-990-11	SHORT CHIP	0		
R949	1-216-864-11	SHORT CHIP	0		
R951	1-216-295-00	SHORT CHIP	0		
R952	1-216-295-00	SHORT CHIP	0		
R953	1-216-864-11	SHORT CHIP	0		
R954	1-216-843-11	METAL CHIP	68K	5%	1/10W
R955	1-216-843-11	METAL CHIP	68K	5%	1/10W
R956	1-216-295-00	SHORT CHIP	0		
R959	1-216-864-11	SHORT CHIP	0		
R960	1-216-864-11	SHORT CHIP	0		
R961	1-216-295-00	SHORT CHIP	0 (XAV-62BT/E62BT)		
R962	1-216-864-11	SHORT CHIP	0 (XAV-62BT/E62BT)		

Ref. No.	Part No.	Description			Remark
R963	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R964	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R965	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R966	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R971	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R972	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R973	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R974	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R975	1-218-990-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R976	1-216-864-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R977	1-216-864-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
R978	1-216-295-00	SHORT CHIP	0 (XAV-62BT/E62BT)		
R979	1-216-864-11	SHORT CHIP	0 (XAV-62BT/E62BT)		
		< THERMISTOR >			
TH601	1-803-350-21	THERMISTOR, POSITIVE (US, CND)			
		< VARISTOR >			
VDR301	1-804-988-21	VARISTOR, CHIP (1608)			
VDR302	1-804-988-21	VARISTOR, CHIP (1608)			
VDR303	1-804-988-21	VARISTOR, CHIP (1608)			
VDR901	1-804-988-21	VARISTOR, CHIP (1608)			
VDR902	1-804-988-21	VARISTOR, CHIP (1608)			
		< SURGE ABSORBER >			
VR1	1-805-043-11	ABSORBER, CHIP SURGE			
		< VIBRATOR >			
X1	1-814-302-11	QUARTZ CRYSTAL UNIT (4MHz)			
X401	1-795-059-21	VIBRATOR, CERAMIC (6MHz)			
X501	1-795-059-21	VIBRATOR, CERAMIC (6MHz)			
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			

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NAVI BOARD (XAV-622: E (PAL), EA)
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C81	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN081	1-842-501-11	CONNECTOR (BUS) (EXT)			
* CN082	1-764-643-21	PIN, CONNECTOR (SMD) 11P			
		< DIODE >			
D83	8-719-016-73	DIODE STZ6.8T			
D84	6-503-205-01	DIODE RKZ6.8B2KGP1			
D85	8-719-016-73	DIODE STZ6.8T			
D86	6-503-205-01	DIODE RKZ6.8B2KGP1			
D87	6-503-205-01	DIODE RKZ6.8B2KGP1			
D88	8-719-016-73	DIODE STZ6.8T			
D89	8-719-016-73	DIODE STZ6.8T			
D755	1-805-043-11	ABSORBER, CHIP SURGE			
D756	1-805-043-11	ABSORBER, CHIP SURGE			
D757	1-805-043-11	ABSORBER, CHIP SURGE			
D758	1-805-043-11	ABSORBER, CHIP SURGE			
		< RESISTOR >			
R82	1-216-864-11	SHORT CHIP	0		

NAVI **SENSOR** **SERVO**

Ref. No.	Part No.	Description			Remark
R83	1-216-864-11	SHORT CHIP	0		
R84	1-216-864-11	SHORT CHIP	0		
R85	1-216-864-11	SHORT CHIP	0		
R86	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R87	1-216-296-11	SHORT CHIP	0		
R88	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R89	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R90	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R91	1-216-864-11	SHORT CHIP	0		
R756	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
		< VARISTOR >			
VDR81	1-802-090-21	VARISTOR, CHIP			
VDR82	1-802-090-21	VARISTOR, CHIP			

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SENSOR BOARD
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< SWITCH >

SW2	1-798-173-31	DETECTOR SWITCH (SELF)
SW3	1-798-173-31	DETECTOR SWITCH (DISC IN)

****

A-1805-980-A SERVO BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C2	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C5	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C9	1-135-856-11	TANTALUM CHIP	100uF	20%	10V
C10	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C11	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C12	1-135-856-11	TANTALUM CHIP	100uF	20%	10V
C13	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C14	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C15	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C16	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C17	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C18	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C19	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C20	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C21	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C22	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C23	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C24	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C25	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C26	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C30	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C31	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C32	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C34	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C35	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C36	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C38	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C39	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C40	1-137-910-11	TANTALUM CHIP	10uF	20%	16V
C41	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C42	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C43	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C44	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C45	1-127-772-11	CERAMIC CHIP	0.033uF	10%	10V
C46	1-127-772-11	CERAMIC CHIP	0.033uF	10%	10V
C47	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C48	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C49	1-117-681-11	ELECT CHIP	100uF	20%	16V
C51	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C52	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C53	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C54	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C55	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C56	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C57	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C58	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C59	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C60	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C61	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C62	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C63	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C64	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C65	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C66	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C67	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C68	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C69	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C70	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C71	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C72	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C73	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C74	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C75	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C76	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C77	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C78	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C79	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C80	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C81	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C83	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C84	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C85	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C86	1-165-708-11	ELECT CHIP	47uF	20%	6.3V
C87	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C88	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C92	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C93	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C94	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C95	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C96	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C97	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C98	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C99	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C100	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C102	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C104	1-164-936-11	CERAMIC CHIP	680PF	10%	50V
C105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C106	1-164-936-11	CERAMIC CHIP	680PF	10%	50V

SERVO

Ref. No.	Part No.	Description				Remark
C107	1-137-710-91	CERAMIC CHIP	10uF	20%	6.3V	
C108	1-100-381-11	ELECT CHIP	10uF	20%	16V	
C109	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C110	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C112	1-100-381-11	ELECT CHIP	10uF	20%	16V	
C113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C114	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
C115	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
C116	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V	
C117	1-126-601-11	ELECT CHIP	2.2uF	20%	50V	
C118	1-126-601-11	ELECT CHIP	2.2uF	20%	50V	
C119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C122	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C123	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C124	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C126	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C127	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C128	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C129	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C131	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C132	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C133	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C134	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C135	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C136	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C137	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C138	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
C139	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C141	1-165-708-11	ELECT CHIP	47uF	20%	6.3V	
C142	1-165-708-11	ELECT CHIP	47uF	20%	6.3V	
* C143	1-112-833-11	ELECT CHIP	68uF	20%	16V	
C146	1-165-708-11	ELECT CHIP	47uF	20%	6.3V	
C147	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C149	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C175	1-164-936-11	CERAMIC CHIP	680PF	10%	50V	
		< CONNECTOR >				
CN1	1-691-390-61	CONNECTOR, FFC/FPC (ZIF) 26P				
CN2	1-691-394-61	CONNECTOR, FFC/FPC (ZIF) 30P				
CN10	1-820-644-31	CONNECTOR, FFC/FPC (ZIF) 60P				
		< FERRITE BEAD/RESISTOR >				
FB1	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB2	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB3	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB4	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB5	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB6	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB7	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB8	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB10	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB12	1-208-859-81	METAL CHIP	68	0.5%	1/16W	
FB13	1-469-083-21	INDUCTOR, FERRITE BEAD (1005)				
FB14	1-469-083-21	INDUCTOR, FERRITE BEAD (1005)				
FB15	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB16	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB17	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB18	1-400-693-21	INDUCTOR, FERRITE BEAD (1005)				
FB19	1-400-693-21	INDUCTOR, FERRITE BEAD (1005)				
FB20	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB21	1-414-229-11	INDUCTOR, FERRITE BEAD				
FB22	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB23	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB24	1-500-284-21	INDUCTOR, FERRITE BEAD				
FB25	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB26	1-500-284-21	INDUCTOR, FERRITE BEAD				
FB27	1-500-284-21	INDUCTOR, FERRITE BEAD				
FB28	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB29	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB31	1-500-284-21	INDUCTOR, FERRITE BEAD				
FB32	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB33	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB35	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB36	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB37	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB38	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB39	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB40	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB41	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB42	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB43	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB44	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB45	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB46	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB47	1-414-385-21	INDUCTOR, FERRITE BEAD				
FB48	1-414-229-11	INDUCTOR, FERRITE BEAD				
FB49	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB50	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
FB51	1-414-229-11	INDUCTOR, FERRITE BEAD				
FB52	1-457-421-21	INDUCTOR, FERRITE BEAD (1608)				
		< IC >				
IC1	6-709-369-01	IC BH5510KV-E2				
IC4	(Not supplied)	IC ZR36988HQCG-AN				
IC5	6-711-653-01	IC S-1206B33-U3T1G				
IC6	6-710-867-01	IC PCM1680DBQ				
IC7	6-710-554-01	IC PCM1808PWR				
IC10	6-714-642-01	IC EM638165 TSA-6G				
IC11	(Not supplied)	IC EN29LV320BB-70TIP				
IC13	(Not supplied)	IC MFI341S2162				
		< FERRITE BEAD/COIL >				
L1	1-469-407-22	INDUCTOR, FERRITE BEAD				
L9	1-457-223-11	COMMON MODE CHOKE COIL				
L10	1-469-407-22	INDUCTOR, FERRITE BEAD				
L11	1-469-407-22	INDUCTOR, FERRITE BEAD				
L22	1-481-420-21	INDUCTOR, FERRITE BEAD				
L23	1-481-420-21	INDUCTOR, FERRITE BEAD				
		< TRANSISTOR >				
Q4	6-551-120-01	TRANSISTOR	2SA2119K			
Q6	6-551-120-01	TRANSISTOR	2SA2119K			

Note: IC4, IC11 and IC13 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

SERVO

Ref. No.	Part No.	Description			Remark
		< RESISTOR/FERRITE BEAD >			
R3	1-242-967-11	METAL CHIP	1	5%	1/16W
R4	1-218-935-11	METAL CHIP	33	5%	1/16W
R5	1-218-935-11	METAL CHIP	33	5%	1/16W
R8	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R9	1-242-967-11	METAL CHIP	1	5%	1/16W
R11	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R12	1-218-968-11	METAL CHIP	18K	5%	1/16W
R13	1-218-968-11	METAL CHIP	18K	5%	1/16W
R14	1-218-967-11	METAL CHIP	15K	5%	1/16W
R15	1-218-966-11	METAL CHIP	12K	5%	1/16W
R16	1-218-966-11	METAL CHIP	12K	5%	1/16W
R18	1-218-945-11	METAL CHIP	220	5%	1/16W
R19	1-218-945-11	METAL CHIP	220	5%	1/16W
R21	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R22	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R23	1-218-937-11	METAL CHIP	47	5%	1/16W
R24	1-218-937-11	METAL CHIP	47	5%	1/16W
R25	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R26	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R27	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R28	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R29	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R30	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R31	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R32	1-218-990-11	SHORT CHIP	0		
R33	1-218-977-11	METAL CHIP	100K	5%	1/16W
R34	1-218-943-11	METAL CHIP	150	5%	1/16W
R35	1-218-943-11	METAL CHIP	150	5%	1/16W
R36	1-218-977-11	METAL CHIP	100K	5%	1/16W
R37	1-218-990-11	SHORT CHIP	0		
R38	1-218-990-11	SHORT CHIP	0		
R39	1-218-941-11	METAL CHIP	100	5%	1/16W
R42	1-218-977-11	METAL CHIP	100K	5%	1/16W
R44	1-218-941-11	METAL CHIP	100	5%	1/16W
R49	1-218-977-11	METAL CHIP	100K	5%	1/16W
R50	1-208-702-11	METAL CHIP	6.2K	0.5%	1/16W
R51	1-218-977-11	METAL CHIP	100K	5%	1/16W
R54	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R55	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R56	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R57	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R58	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R60	1-469-581-21	INDUCTOR, FERRITE BEAD (1005)			
R61	1-220-168-11	METAL CHIP	62	5%	1/16W
R62	1-218-989-11	METAL CHIP	1M	5%	1/16W
R63	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R65	1-218-977-11	METAL CHIP	100K	5%	1/16W
R66	1-218-977-11	METAL CHIP	100K	5%	1/16W
R70	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R73	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R76	1-218-941-11	METAL CHIP	100	5%	1/16W
R82	1-218-941-11	METAL CHIP	100	5%	1/16W
R83	1-218-941-11	METAL CHIP	100	5%	1/16W
R89	1-218-953-11	METAL CHIP	1K	5%	1/16W
R90	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R91	1-218-953-11	METAL CHIP	1K	5%	1/16W
R95	1-218-967-11	METAL CHIP	15K	5%	1/16W
R96	1-218-967-11	METAL CHIP	15K	5%	1/16W
R105	1-414-229-11	INDUCTOR, FERRITE BEAD			
R115	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R116	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R120	1-469-581-21	INDUCTOR, FERRITE BEAD (1005)			
R121	1-469-581-21	INDUCTOR, FERRITE BEAD (1005)			
R122	1-469-581-21	INDUCTOR, FERRITE BEAD (1005)			
R123	1-469-084-21	INDUCTOR, FERRITE BEAD (1005)			
R126	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R129	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R132	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R135	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R138	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R145	1-218-953-11	METAL CHIP	1K	5%	1/16W
R146	1-414-229-11	INDUCTOR, FERRITE BEAD			
R147	1-414-229-11	INDUCTOR, FERRITE BEAD			
R148	1-414-229-11	INDUCTOR, FERRITE BEAD			
R149	1-414-229-11	INDUCTOR, FERRITE BEAD			
R151	1-218-945-11	METAL CHIP	220	5%	1/16W
R152	1-218-945-11	METAL CHIP	220	5%	1/16W
R153	1-218-945-11	METAL CHIP	220	5%	1/16W
R154	1-469-083-21	INDUCTOR, FERRITE BEAD (1005)			
R155	1-469-083-21	INDUCTOR, FERRITE BEAD (1005)			
R158	1-218-990-11	SHORT CHIP	0		
R159	1-218-990-11	SHORT CHIP	0		
R160	1-218-990-11	SHORT CHIP	0		
R162	1-218-941-11	METAL CHIP	100	5%	1/16W
R163	1-218-953-11	METAL CHIP	1K	5%	1/16W
R164	1-218-953-11	METAL CHIP	1K	5%	1/16W
R165	1-218-965-11	METAL CHIP	10K	5%	1/16W
R166	1-218-965-11	METAL CHIP	10K	5%	1/16W
R190	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R191	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R192	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R193	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R200	1-218-945-11	METAL CHIP	220	5%	1/16W
R201	1-218-945-11	METAL CHIP	220	5%	1/16W
R208	1-218-937-11	METAL CHIP	47	5%	1/16W
R209	1-218-937-11	METAL CHIP	47	5%	1/16W
R210	1-218-937-11	METAL CHIP	47	5%	1/16W
R211	1-218-937-11	METAL CHIP	47	5%	1/16W
R212	1-218-937-11	METAL CHIP	47	5%	1/16W
R213	1-218-937-11	METAL CHIP	47	5%	1/16W
R214	1-218-937-11	METAL CHIP	47	5%	1/16W
R215	1-218-937-11	METAL CHIP	47	5%	1/16W
R216	1-218-937-11	METAL CHIP	47	5%	1/16W
R217	1-218-937-11	METAL CHIP	47	5%	1/16W
R218	1-218-937-11	METAL CHIP	47	5%	1/16W
R219	1-218-937-11	METAL CHIP	47	5%	1/16W
R220	1-218-937-11	METAL CHIP	47	5%	1/16W
R221	1-218-937-11	METAL CHIP	47	5%	1/16W
R222	1-218-937-11	METAL CHIP	47	5%	1/16W
R223	1-218-937-11	METAL CHIP	47	5%	1/16W
R224	1-218-937-11	METAL CHIP	47	5%	1/16W
R225	1-218-937-11	METAL CHIP	47	5%	1/16W
R226	1-218-937-11	METAL CHIP	47	5%	1/16W
R227	1-218-937-11	METAL CHIP	47	5%	1/16W
R230	1-218-977-11	METAL CHIP	100K	5%	1/16W
R231	1-218-977-11	METAL CHIP	100K	5%	1/16W
R237	1-218-977-11	METAL CHIP	100K	5%	1/16W

SERVO VIDEO

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
SW1	1-798-174-31	DETECTOR SWITCH (CHUCKING END)	
		< VIBRATOR >	
X1	1-814-308-11	VIBRATOR, CRYSTAL (27MHz)	
X2	1-813-693-11	VIBRATOR, CRYSTAL (12MHz)	

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VIDEO BOARD
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Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN781	1-573-806-21	PIN, CONNECTOR (1.5MM) (SMD) 6P	
		< DIODE >	
D784	6-501-675-01	DIODE HZM6.8ZMWATL-E	
D785	6-501-675-01	DIODE HZM6.8ZMWATL-E	
D786	6-501-675-01	DIODE HZM6.8ZMWATL-E	
		< FERRITE BEAD >	
FB781	1-414-385-21	INDUCTOR, FERRITE BEAD	
		< JACK >	
J781	1-842-499-11	JACK 3P (REAR VIDEO, CAMERA IN, AUX VIDEO IN)	
		< RESISTOR >	
R781	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R782	1-216-864-11	SHORT CHIP 0	
R783	1-216-864-11	SHORT CHIP 0	
R784	1-216-864-11	SHORT CHIP 0	

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MISCELLANEOUS
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Ref. No.	Part No.	Description	Remark
2	1-834-678-11	LEAD WIRE WITH CONNECTOR (XAV-62BT/E62BT)	
5	1-828-543-11	CORD (WITH CONNECTOR) (ISO) (POWER CORD) (AEP, UK, RU)	
5	1-834-204-21	CONNECTION CODE FOR AUTOMOBILE (POWER CORD) (US, CND, E, EA)	
103	1-838-745-11	CABLE, FLEXIBLE FLAT (60 CORE)	
104	1-838-744-11	CABLE, FLEXIBLE FLAT (20 CORE)	
106	1-838-632-11	CABLE, REVERSE (REVERSE IN)	
107	1-836-313-31	CORD, CONNECTION (MIC) (MIC IN) (XAV-62BT/E62BT)	
158	A-1732-663-A	CHASSIS (M613) COMPLETE ASSY (Including loading motor (M1))	
⚠ 160	A-1560-594-B	CHASSIS (OP, ZA) COMPLETE ASSY (Including optical pick-up (KHS-360A))	
162	1-838-748-11	CORD WITH CONNECTOR	
163	1-838-746-11	CABLE, FLEXIBLE FLAT (60 CORE)	
F801	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A/32V)	
LCD1401	1-811-310-11	DISPLAY PANEL, LIQUID CRYSTAL	
M801	1-787-976-11	FAN, DC (25X25)	
TPS1401	1-811-004-12	TOUCH PANEL	

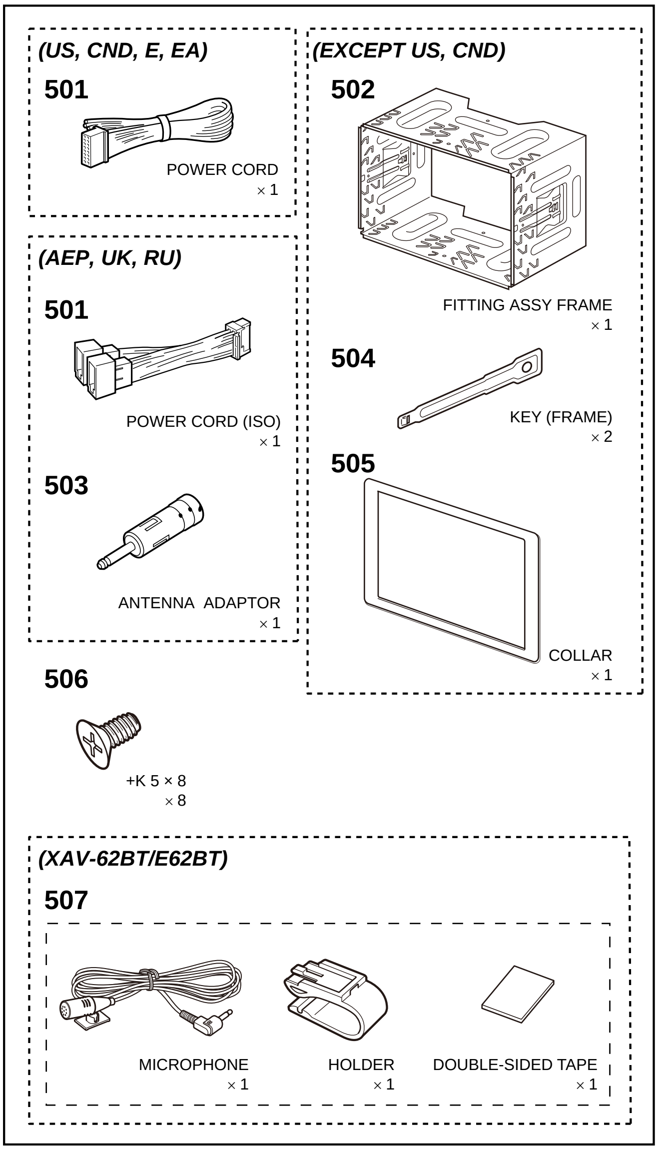
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ACCESSORIES
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Ref. No.	Part No.	Description	Remark
	1-487-638-12	REMOTE COMMANDER (RM-X170) (AEP, UK, E, EA)	
	4-163-772-01	DISC, APPLICATION (CD-ROM: SensMe™ Setup, Content Transfer)	
	4-263-232-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH) (US, CND)	
	4-263-232-31	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH) (AEP, UK)	
	4-263-232-41	MANUAL, INSTRUCTION (ENGLISH, SPANISH, ITALIAN) (AEP, UK)	
	4-263-232-51	MANUAL, INSTRUCTION (ENGLISH) (XAV-622: E (PAL), EA)	
	4-263-232-61	MANUAL, INSTRUCTION (ENGLISH, SPANISH) (E (NTSC))	
	4-263-232-71	MANUAL, INSTRUCTION (RUSSIAN, UKRAINIAN) (RU)	
	4-263-232-81	MANUAL, INSTRUCTION (ARABIC, PERSIAN) (XAV-622: EA)	
	4-263-233-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH, SPANISH) (US, CND)	
	4-263-233-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, ITALIAN) (AEP, UK)	
	4-263-233-31	MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH) (AEP, UK)	
	4-263-233-41	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (E (NTSC))	
	4-263-233-51	MANUAL, INSTRUCTION, INSTALL (RUSSIAN, UKRAINIAN) (RU)	
	4-263-233-61	MANUAL, INSTRUCTION, INSTALL (ENGLISH, ARABIC, PERSIAN) (XAV-622: E (PAL), EA)	

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Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS **************************************	
501	1-828-543-11	CORD (WITH CONNECTOR) (ISO) (POWER CORD) (AEP, UK, RU)	
501	1-834-204-21	CONNECTION CODE FOR AUTOMOBILE (POWER CORD) (US, CND, E, EA)	
502	X-2514-519-2	FRAME, FITTING ASSY (EXCEPT US, CND)	
503	1-465-459-51	ADAPTOR, ANTENNA (AEP, UK, RU)	
504	3-876-675-01	KEY (FRAME) (1 piece) (EXCEPT US, CND)	
505	4-148-662-01	COLLAR (EXCEPT US, CND)	
506	X-2177-512-1	SCREW ASSY (2DIN) (8 pieces, 1 set)	
507	1-542-870-11	MICROPHONE UNIT (Including holder, double-sided tape) (XAV-62BT/E62BT)	



MEMO

REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2011.02	New